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No. 51] NEW DELHI, SATURDAY, DECEMBER 21, 1974 (AGRAHAYANA 30, 1896)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 21st December 1974
CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 7th September 1974 in page 589, Column 2, under the heading "Complete Specification accepted" under No. 92488

for : Beecham Research Laboratories Limited.

read : Beecham Group Limited.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

14th November 1974

- 2503/Cal/74. B. Singh. Balram sasta sauchalaya.
2504/Cal/74. Council of Scientific and Industrial Research. An improved reader die for making sintered glass headers.
2505/Cal/74. Council of Scientific and Industrial Research. An improved method for clamping theflon foils in an electret microphone.
2506/Cal/74. Council of Scientific and Industrial Research. An apparatus for measuring the maximum pore-radius of filter-media treated with phenol formaldehyde resins.
2507/Cal/74. Council of Scientific and Industrial Research. A process for the preparation of 2, 2-dichlorohydrazobenzene from 2, 2'-dichloroazoxybenzene.
2508/Cal/74. Bristol-Myers Company. A process for the preparation of cephalixin. [Divisional date May 5, 1972].
2509/Cal/74. Bristol-Myers Company. A process for the preparation of hetacephalexin. [Divisional date May 5, 1972].

- 2510/Cal/74. Bassani S.p.A. Electrical Socket.
2511/Cal/74. Technical Innovation Company For Commerce And Industry (Ticci). Improvements in latrines.
2512/Cal/74. Bayer Aktiengesellschaft. Pyrazole derivatives, process for their preparation and their use as medicaments.
2513/Cal/74. Balfour, Beatty & Company Limited. Improvements in or relating to artificial and natural structures.
2514/Cal/74. Poclain. A pressurised fluid supply apparatus.
2515/Cal/74. Mauricio Porraz Jimenez Labora. Modular member for the construction of hydraulic and submarine structure.
2516/Cal/74. J. R. Chhabra. Internal combustion engine.
2517/Cal/74. P. Gregorio. A device for scanning wide areas while maintaining a television camera at stationary attitude for supervising banks or the like.
2518/Cal/74. S. L. Mahendra. An apparatus for producing a laminate.
2519/Cal/74. S. L. Mahendra. A dry process for producing a laminate.

15th November 1974

- 2520/Cal/74. Clupak, Inc. Lubricating arrangement for apparatus to compact webs.
2521/Cal/74. Marius Georges Henri Girodin. A machine with cylinders disposed revolver-cylinder-wise in a machine casing or block.
2522/Cal/74. The Lucas Electrical Company Limited. Proximity switching circuits. (November 28, 1973).
2523/Cal/74. Kalyan Kumar Banerjee. Improvements in or relating to concrete frames for buildings or like structures.
2524/Cal/74. P. C. Ortega. Method of an Means for Multi-Story building construction.

- 2525/Cal/74. W. D. Steadman. Segmental trailer. (June 11, 1974). [Addition to No. 1397/Cal/74].
- 2526/Cal/74. Medicor Muvek. Process for evaluation of X-Ray pictures.
- 2527/Cal/74. Adriano Gardella S.p.A. Method of weaving on shuttleless, looms, and loom for performing said method.

- 2528/Cal/74. Saint-Gobain Industries. Polyurethane coatings.
- 2529/Cal/74. V. A. Novak, J. S. Murashov, V. D. Valgin and V. V. Baranov. Method of preparing phenolaldehyde foamed plastics.

- 2530/Cal/74. Spetsialnoe Konstruktorskoe Bjuro "Transnefteavto-Matika". Receiving- and-dispatching station.

- 2531/Cal/74. Institut Sverkhtrverdikh Materialov Akademii Nauk Ukrainskoi SSR. Method of making super-hard articles.

- 2532/Cal/74. P. E. Regamey. Improvements in or relating to a steam generating and distributing system.

16th November 1974

- 2533/Cal/74. Davy Power Gas Incorporated. Method of manufacturing wet process phosphoric acid.

- 2534/Cal/74. International Standard Electric Corporation. Crosslinking Compositions.

- 2535/Cal/74. J. D. Hollingsworth. Carding apparatus. (August 27, 1974).

- 2536/Cal/74. Exxon Research and Engineering Company. Process for conversion of carbon monoxide and steam to hydrogen and carbon dioxide.

- 2537/Cal/74. Unie Van Kunststestfabrieken B. V. Process for preparing prills from a urea melt containing monoammonium phosphate.

- 2538/Cal/74. Commonwealth Aircraft Corporation Proprietary Limited. Improvements in or relating to manganese steel.

- 2539/Cal/74. Vsesojuzny Nauchno-Issledovatel'skiy Institut Neftekhimicheskikh Protessov and Veb-Leuna-Werke Namens Walter Ulbricht. Process for removal of cobalt carbonyls from products of hydroformylation of olefins.

18th November 1974

- 2540/Cal/74. International Business Machines Corporation. Document transport device.

- 2541/Cal/74. Cincinnati Milacron Chemicals, Inc. Catalyzed Redistribution of Alkyltin Halides.

- 2542/Cal/74. Bayer Aktiengesellschaft. Transfer printing process.

- 2543/Cal/74. Centre De Recherches De Pont-A-Mousson. Method for welding cast iron parts with a single plasma arc.

- 2544/Cal/74. C. R. Gupta, A. K. Gupta, and D. Suriyanarayanan. An improved mechanism which can be fitted on common man's cycle/cycle rickshaw for propelling by a small auto-engine without interfering with existing pedaling system.

- 2545/Cal/74. N. M. Bordina, V. V. Zadde, A. K. Zaitseva, A. P. Landsman, D. S. Strebkov, V. I. Strilstova and V. A. Unishkov. Semiconductor photoelectric generator.

- 2546/Cal/74. Krasnoyarsky Politekhnikhesky Institut. Method and apparatus for separating seed cover from endosperm of grain of various cereal crops.

- 2547/Cal/74. O. P. Jalan. An invention-feedback principle for improved regulation in automatic step voltage stabiliser.

- 2548/Cal/74. Wiggins Teape Limited. Forming non-woven fibrous material. (November 26, 1973).

- 2549/Cal/74. Illinois Tool Works Inc. Shelf support clip.

- 2550/Cal/74. Snamprogetti S.p.A. Production of polyiminoalanes.

19th November 1974

- 2551/Cal/74. Council of Scientific and Industrial Research. A process for the synthesis of 2, 3, 4-triphenylfurans and 2, 3, 4-triphenyl-5-alkylfurans carrying a hydroxy or β -tertiary aminoethoxy substituent in one of the phenyl rings.

- 2552/Cal/74. Council of Scientific and Industrial Research. A novel electrolytic cell for anodic oxidation of conductors, semiconductors.

- 2553/Cal/74. Council of Scientific and Industrial Research. A process for the production of neutral barium/calcium petroleum sulphonates in mineral oil from petroleum sulphonic acids (mahogany acids) and sodium petroleum sulphonates (crude) detergent-dispersant additives for motor oils.

- 2554/Cal/74. S. K. Wassan. Brake and clutch control lever.

- 2555/Cal/74. G. D. Societa' Per Azioni. Improved high speed wrapping machine for sweets or similar products for forming the tubular part of the wrap in such away that its superposed extremity terminates on the wide side of the product being wrapped.

- 2556/Cal/74. G. D. Societa' Per Azioni. Device for mounting on wrapping machines to fashion the wrap on sweets or similar products in what is known as the single end (side bow) or double end twist styles or wrap.

- 2557/Cal/74. G. D. Societa' Per Azioni. Device for opening and closing the twist finger assemblies mounted on machines for wrapping sweets or similar products in order to fashion a tubular wrap in what is known as the single end (side bow) of the double end twist style.

- 2558/Cal/74. G. D. Societa' Per Azioni. Device for feeding wrapping material, particularly reel wound material of what is known as the flaccid transparent type, to wrapping machines, with the aid of means for detaching and accompanying the previously only partly cut sheet or cutting to the position where it is to be used.

- 2559/Cal/74. Pfizer Inc. Preparation of quinazolines.

- 2560/Cal/74. Bivamoy Saha. Hydraulic operated valve actuating mechanism.

- 2561/Cal/74. The Metal Box Company Limited. Containers. (November 28, 1973).

- 2562/Cal/74. Lewis A. Borsheim. Air cleaning structure.

- 2563/Cal/74. Fives-Cail Babcock. Discharge system for pressurized dryer centrifuge.

- 2564/Cal/74. Johan Tenfjord Mek. Verksted. Oscillating fluid-driven actuator.

- 2565/Cal/74. Yuan Ho Lee. Automatic high-speed cold heading machine.

- 2566/Cal/74. Sacilor-Acieries Et Laminiers De Lorraine. Process of making composite steel ingots.

20th November 1974

- 2567/Cal/74. Flogates Limited. Improvements in or relating to the pouring of metals. (November 23, 1973).

- 2568/Cal/74. Door-Oliver Incorporated. Traction-driven composite sludge raking mechanism for sedimentation tanks.

- 2569/Cal/74. Goodyear Aerospace Corporation. Cargo Container.

- 2570/Cal/74. Pfizer Corporation. Preparation of propanolamine derivatives. [Divisional date May 12, 1970].

2571/Cal/74. Imperial Chemical Industries Limited. Process. (November 29, 1973).

2572/Cal/74. N. V. Philips' Gloeilampenfabrieken. Method of manufacturing a tubular lamp envelop.

2573/Cal/74. Gruppo Lepetit S.P.A., A process for preparing α -aminoalcohols. (November 29, 1973).

2574/Cal/74. Maschinenfabrik Rieter A. G. Machine for compressing fibre material (November 27, 1973).

2575/Cal/74. Maschinenfabrik Rieter A. G. Production of a uniform continuous assemblage of fibres. (December 5, 1973).

2576/Cal/74. Frank Speno Railroad Ballast Cleaning Company Incorporated Ballast cleaner.

2577/Cal/74. Vsesojuzny Nauchno-Issledovatel'sky Institut Neftekhimicheskikh Protessov and Veb Leuna-Werke Namens Walter Ulbricht. Process for the manufacture of oil-soluble cobalt salts of higher organic acids.

2578/Cal/74. Eksperimentalny Nauchno-Issledovatel'sky Institut Metallovezhushchih Stankov. A tool head for longitudinal cold rolling of multispline shafts.

2579/Cal/74. Concast AG. An oscillating mould containing an arcuately curved mould cavity. [Addition to No. 1190/Cal/74].

2580/Cal/74. Ettore Bonalumi. Roller Stripper device for carding machines.

2581/Cal/74. American Cyanamid Company. High molecular weight polyester resin.

2582/Cal/74. American Cyanamid Company. Process of preparing antiviral compounds.

2583/Cal/74. Formica Corporation. Melamine-formaldehyde resin containing 2-(2-aminoethoxy) ethanol.

2584/Cal/74. Metallgesellschaft Aktiengesellschaft. Process of producing methanol.

2585/Cal/74. Metallgesellschaft Aktiengesellschaft. Process of simultaneously producing methanol and methane.

APPLICATION FOR PATENTS FILED AT THE BOMBAY (BRANCH)

2nd November 1974

381/Bom/74. Messrs. Jyoti Limited. Improvements in or relating to valves.

382/Bom/74. R. K. Patel. A funnel with a cutter.

383/Bom/74. R. K. Patel. An open carton.

384/Bom/74. R. T. Salot. Improvements in or relating to tab holders and the like for suspension files folders and the like.

4th November 1974

385/Bom/74. S. H. Nathani. Soft-hard package/container.

386/Bom/74. A. C. Padamsee. Improvements in or relating to jugs.

387/Bom/74. A. C. Padamsee. Improvements in or relating to closures.

388/Bom/74. G. S. Tasgaonkar. Radiator fan clutch.

389/Bom/74. G. S. Tasgaonkar. Radiator fan dog clutch.

5th November 1974

390/Bom/74. Colour-Chem Limited. A new process for the manufacture of Benzidine pigments.

391/Bom/74. V. P. Kulkarni. A valve to control water-hammer in pipe lines carrying liquids. [Addition to No. 63/Bom/73].

7th November 1974

392/Bom/74. G. M. Churi. An improved crown-corked bottle opener.

ALTERATION OF DATE.

101076. Ante-dated to 6th April 1963.

123810. The claim to convention date 5th November 1968 has been disallowed and the application dated as of 30th October 1969 the date of filing in India.

126248. Ante-dated to 15th December 1965.

136439. Ante-dated to 26th March 1971. (177/Bom/73).

136440. Ante-dated to 26th March 1971. (178/Bom/73).

136441. Ante-dated to 26th March 1971. (179/Bom/73).

136442. Ante-dated to 26th March 1971. (180/Bom/73).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F₁+F₂₀ & 55E₁.

87937.

PROCESS FOR PREPARING 1, 3-DIHYDRO-5-ARYL-3-CARBOXYACYLOXY-2H-1, 4-BENZODIAZEPIN-2-ONE COMPOUNDS.

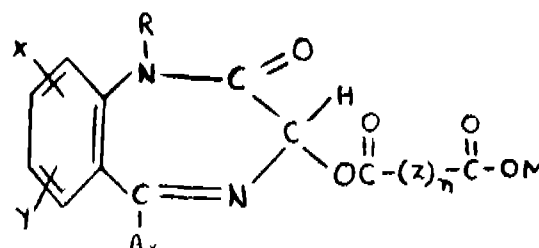
AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 87937 filed May 14, 1963.

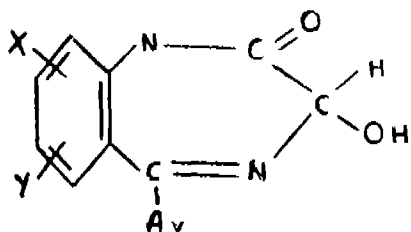
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for preparing 1, 3-dihydro-5-aryl-3-carboxyacyloxy-2H-1, 4-benzodiazepin-2-one compounds of formula II.



wherein X, Y, R and Ar are as defined below in connection with formula I,



M is hydrogen, sodium, potassium, rubidium, cesium, ammonium, an amine or pyridinium radical, Z is an alkylene or arylene radical bearing 0 to 4 COOM groups, and n is an integer from 0 to 8 which comprises

(1) reaction a compound of formula I, wherein X and Y each represent hydrogen, chlorine, bromine, nitro, trifluoromethyl, or methyl-sulfonyl, R represents hydrogen or a hydrocarbon radical containing 1-8 carbon atoms, and Ar represents an aryl radical from the group consisting of phenyl, thienyl, and phenyl bearing a substituent from the group consisting of chlorine, fluorine, methoxy, methyl, and trifluoromethyl, with a polycarboxylic acid or its anhydride or acid halide derivative, or

(2) reacting a 5-aryl-3-hydroxy-2H-1, 4-benzodiazepin-2-one-4-oxide with a polycarboxylic acid, and, if desired, treating the resulting products with an alkali metal hydroxide, ammonium, or an amine, there being obtained compounds of formula II of the drawings defined above.

CLASS 32F, +F.b.

PROCESS FOR PREPARING 1, 4-BENZODIAZEPINES.

WARNER-LAMBERT PHARMACEUTICAL COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

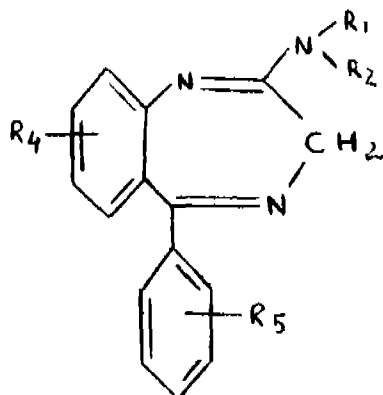
Application No. 101076 filed August 10, 1965.

Division of Application No. 87326 filed April 6, 1963.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

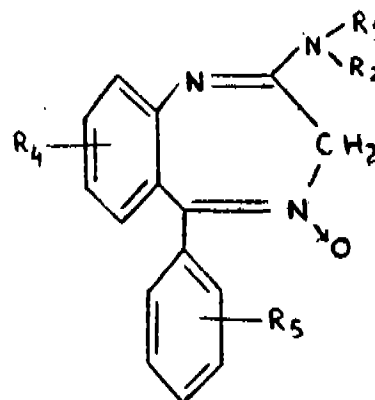
4 Claims.

A process for the production of a compound represented by the formula I.



wherein R₁ represents a member of the group consisting of hydrogen and lower alkyl group having 1 to 6 carbon atoms, R₂ is a lower alkyl group having 1 to 6 carbon atoms, cycloparaffin group having 3 to 4 carbon atoms and R₃ and R₄

represent a member of the group consisting of hydrogen-halogen, alkyl and alkoxy, which comprises reacting a compound of the formula II,



wherein R₁, R₂, R₃ and R₄ have the meanings given above, with a reducing agent selected from the group consisting of phosphorous trichloride, thionyl chloride and gaseous hydrogen in the presence of a hydrogenation catalyst, as herein described.

CLASS 32F, +F.b & 55E.

PROCESS FOR THE PREPARATION OF PHENTHAZINE DERIVATIVES.

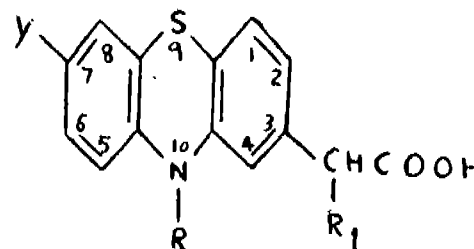
RHONE-POULENC S. A., OF 22, AVENUE MONTAIGNE, PARIS, FRANCE.

Application No. 102294 filed October 29, 1965.

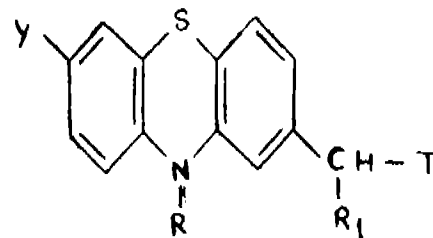
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the preparation of phenthiazine derivatives of the general formula shown in Figure I.



(wherein R represents a hydrogen atom or a methyl group, R₁ represents a hydrogen atom or a methyl or ethyl group, and Y represents a hydrogen or halogen atom, or an alkyl, alkoxy or alkylthio group having 1 to 4 carbon atoms, R representing a methyl group when R₁ and Y both represent hydrogen atoms) which comprises hydrolyzing by methods known *per se* a phenthiazine of the general formula shown in Figure II.



wherein R, R₁ and Y are as hereinbefore defined, and T represents a radical known to be capable of conversion to a carboxy group by hydrolysis, and optionally converting by methods known *per se* the phenthiazinylalkane carboxylic acid product into an alkali metal, alkaline earth metal, ammonium or amine salt.

CLASS 32F₃₁ & 55E₁.

109549.

6 Claims.

PROCESS FOR THE PREPARATION OF ALKALI METAL SALTS OF α -AMINOBENZYL-PENICILLIN.

BEECHAM GROUP LIMITED, OF BEECHAM HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX, ENGLAND.

Application No. 109549 filed March 2, 1967.

Convention date March 3, 1966 (9260/66) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for the preparation of the alkali metal salts of α -aminobenzylpenicillin, and its epimers, which process comprises treating the penicillin in an organic solvent with a primary or secondary aliphatic amine, a cycloaliphatic amine or a heterocyclic amine to form a solution of the corresponding amine salt and thereafter precipitating in a known manner, the alkali metal salt therefrom.

CLASS 32F₁ & 55D₁+F₁.

117959.

PROCESS FOR THE PREPARATION OF BENZOYL CHLORIDE PHENYLHYDRAZONES.

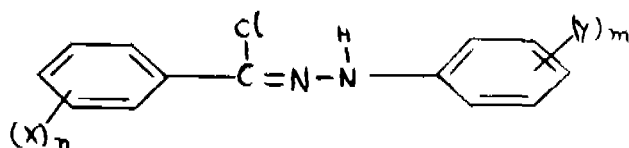
THE UPJOHN COMPANY, OF 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 117959 filed October 7, 1968.

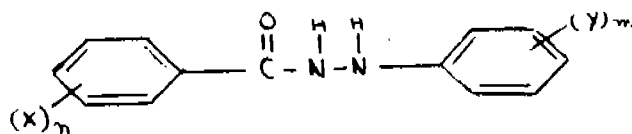
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing new benzoyl chloride phenylhydrazones of the general formula



wherein n is an integer from 0 to 5, inclusive; X is halogen when n is 2 to 5, inclusive, alkyl of from 1 to 6 carbon atoms, inclusive, and nitro; Y is alkyl of from 1 to 6 carbon atoms, inclusive; and m is an integer from 0 to 3, inclusive; the sum of $n+m$ being not more than 6, the sum of carbon atoms in alkyl substituents being not more than 15, and there being no more than one nitro group in the benzoyl portion of the molecule, which comprises reacting a benzoic acid phenylhydrazide of the formula shown in Fig.



wherein X , Y , m and n are as defined above, with phosphorus pentachloride to produce the corresponding benzoyl chloride (dichlorophosphoryl) phenylhydrazones and reacting the latter intermediate compound with phenol to obtain the desired benzoyl chloride phenylhydrazones.

CLASS 32F₁ & 55E₁.

121510.

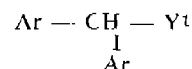
PROCESS FOR PREPARING N-ALLYL-N'-ARALKYL PIPERAZINES.

JANSSEN PHARMACEUTICA N. V., AT TURNHOYT-SEBAAN 30, BEERSE, BELGIUM.

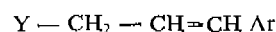
Application No. 121510 filed May 26, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for preparing a chemical compound consisting of a N-cinnamyl-N'-benzhydryl piperazine having the formula I, wherein Ar is phenyl or fluorophenyl, provided that at least one Ar is fluorophenyl, or the therapeutically active acid addition salts thereof, characterized by reacting a compound of the formula:



with a compound of the general formula:



wherein Y and Y' are different and interchangeably represent a halide or the group of formula A in the presence of absence, and, if desired, preparing a therapeutically active acid addition salt thereof by conventional method.

CLASS 32F₃₁+F₃₁, F₃₁.

123810.

PROCESS FOR PREPARING CYCLOHEXYLALKANOIC ACID DERIVATIVES.

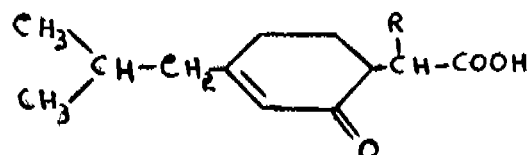
BOOTS PURE DRUG COMPANY LIMITED, OF 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND.

Application No. 123810 filed October 30, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

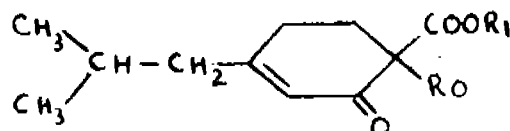
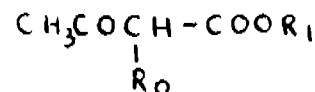
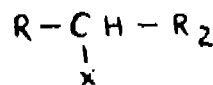
6 Claims.

A process for preparing cyclohexylalkanoic acid compounds of general formula I



wherein R is hydrogen or methyl, and their salts, esters, amides and nitriles, characterised in that

isobutyl vinyl ketone is reacted with a metal derivative of a compound of general formula II to give a compound of general formula III.



where R₁ is an esterifying group and R₀ is the group

RCHR₂, R₂ being COOR₁, CN or CONH₂, R₀ is hydrogen in which event the compound of formula III is then reacted with a compound of general formula IV.

wherein R and R₂ are as hereinbefore defined and X is chlorine, bromine or iodine, to give a compound of general formula III in which R₀ is the group R-CH(R₀)-R₀ and the compound of general formula III in which R₀ is the groups, R-CH(R₀)-R₀ is hydrolysed to give a compound of general formula I, and if desired, converting an acid or salt thus obtained to a salt, ester, amide or nitrile by conventional methods.

CLASS 32F₁, F₂, & 55E₁.

126248.

A PROCESS FOR THE PREPARATION 3-INDOLYL ACETIC ACIDE, CHLORIDES.

MERCK & CO, INC., OF 126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY, UNITED STATES OF AMERICA.

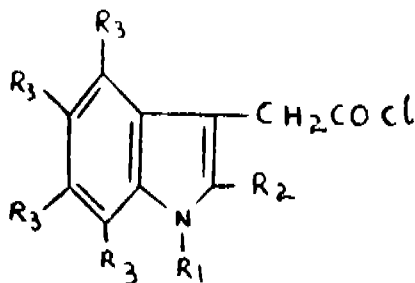
Application No. 126248 filed April 17, 1970.

Division of application No. 103035 filed December 15, 1965.

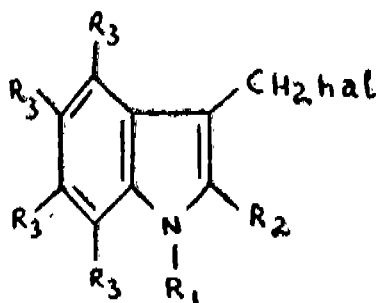
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for the preparation of 1-aromatic-acyl-2-substituted 3-indolyl acetic acid chloride of the general formula I.



wherein R₁ is an aroyl or heteroaroyl radical having less than three fused rings, optionally substituted with hydrocarbonoxy groups containing up to nine carbon atoms such as lower alkoxy, e.g. methoxy, ethoxy, isopropoxy or aryloxy; or aralkoxy groups such as phenoxy, benzyloxy, halobenzyloxy, or lower alkoxybenzyloxy nitro radicals; halogen atoms; mercapto or substituted mercapto radicals of the type represented by alkylthio groups such as methylthio, ethylthio, benzylthio and phenylthio; haloalkyl groups such as trifluoromethyl, trifluoroethyl, perfluoroethyl, β-chloroethyl and the like; cyano; or haloalkoxy or haloalkylthio; R₂ is a substituted or unsubstituted alkyl, aryl, aralkyl or alkaryl group containing up to nine carbon atoms, including such radicals as methyl, ethyl, propyl, n-butyl, isopropyl, isobutyl, benzyl, phenethyl, β-phenylpropyl, p-tolyl, xylyl and substituted derivatives thereof in which the substituents are selected from the group of one or more halogen atoms; or one or more alkoxy groups containing up to four carbon atoms, nitro, cyano, trifluoromethyl, difluoromethyl mercapto or other reaction inert radical, the homocyclic ring of the indole nucleus is optionally unsubstituted, as shown, or substituted with the same or different reaction inert substituents as represented by R₃; R₃ is a substituent as defined above for the homocyclic ring of the indole nucleus, which comprises: reacting 1-aromatic-acyl 2-substituted 3-halomethyl indole of the formula V



wherein R₁, R₂ and R₃ are as defined above, with carbon monoxide and a reagent selected from the group consisting of palladium bromide and palladium chloride at an elevated temperature from about 60° to above 120°C and elevated pressure from about 300 to about 700 atmospheres.

CLASS 55F.

134228.

PROCESS FOR THE PRODUCTION OF A NUTRIENT CULTURE MEDIUM FOR MACRO-FUNGI, CHIEFLY EDIBLE FUNGI.

LICENCIA TALALMANYOKAT ERTEKESITO VALLA-LAT, OF 16, VAJCSY ZSILINSZKY UT, BUDAPEST V. HUNGARY.

Application No. 134228 filed January 10, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A process for the production of nutrient culture medium for macro-fungi, especially edible fungi, useful for preparing an inoculum and for cultivation, characterized in that cellulosic materials of at least 50% moisture level, and in certain cases containing supplementary nutrients such as herein described also, are used as basic materials of the culture medium, and the materials are treated in a manner such as herein described at atmospheric pressure under aerobic conditions in the presence of thermophile micro-organisms and heated to a maximum of 70°C, then the temperature is reduced to below 70°C, expediently to 45–55°C to increase the metabolic rate of the thermophile micro-organisms.

CLASS 128G+H.

134381.

DEVICE FOR INSERTION INTO THE REPRODUCTIVE TRACT OF ANIMALS OR HUMAN BEINGS.

AGROPHYSICS, INC., OF 360 PINE STREET, SAN FRANCISCO, CALIFORNIA, UNITED STATES OF AMERICA.

Application No. 134381 filed January 25, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for insertion into the vagina of an animals of the type having a vagina terminating at the posterior end a normally closed an vulva and at the anterior end of the cervix, said vagina being defined by a fold-containing vaginal wall with a defined annular sphincter muscle intermediate the cervix and the vulva, said device comprising mounting means with an annular surface and spaced-apart yieldable means carried by the mounting means and projecting axially of the annular surface and being disposed circumferentially about an axis generally coincident with the axis of the annular surface, said spaced-apart yieldable means being capable of being compressed to a size so that the device can be readily inserted through the vulva into the vagina, said device being of a length so that it can be disposed between the cervix and the sphincter muscle, said spaced-apart yieldable means serving to place pressure upon the vaginal wall to distend the same from its normal cross-sectional configuration, said spaced-apart yieldable means defining a plurality of spaced channels adapted to permit vaginal fluids to bypass the same, said device being adapted to be completely disposed within the vagina to permit the vulva to assume its normally closed position.

CLASS 146-C.

134936.

PNEUMATIC WIND DIRECTION TRANSMITTER.

UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-16 WEST BENGAL, INDIA.

Application No. 134936 filed March 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Device for transmitting change in wind direction as an analog signal in terms of pneumatic pressure comprising a wind vane, a cylindrical cam of open cylinder type attached to shaft of said vane, the vertical axes of the vane and the shaft coinciding, lower edge of the cylinder wall which is the open end, being uniformly sloped around its periphery to form the cam; a movable nozzle fed by air under pressure, located opposite the cam and in close proximity thereto, the opening of the nozzle half covered by rotating cam periphery; a pneumatic relay associated with a feed back bellows, said relay adapted to sense change in nozzle back pressure due to wind direction alteration and consequent movement of the cam and resultant change in the extent to which the nozzle is covered by the cam periphery - and feed it to said bellows, the movement of said bellows adapted to cause the nozzle to move so as to regain its "half opening" position.

CLASS 27-E.

134995.

THIN CONCRETE GRID SLABS.

ADIMATHRA MATHEW JACOB, BIA, B. ENG. (SHEFFLD), OF GOLF LINKS ROAD, TRIVANDRUM-3, KERALA, INDIA.

Application No. 134995 filed March 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A thin concrete grid slab preferably 8 cms. to 15 cms. in thickness provided with reinforced concrete ribs running at right angles to each other, at not less than 300 mms. apart, and cast as one integral unit, like an ordinary reinforced concrete slab, in one process of casting, said slab being formed between the ribs with an infilling of filler blocks, which are removable or nonremovable, and which are lighter and cheaper than ordinary concrete.

CLASS 143-A.

135004.

A MOBILE MACHINE FOR COMPRESSING HAY, COTTON, COTTON WASTE OR LIKE SOFT AND BULKY MATERIALS INTO BALES.

PHOENIX DISTRIBUTORS PRIVATE LTD. AT 53/57, LAXMI INSURANCE BUILDING, SIR P. M. ROAD, FORT, BOMBAY-1, STATE OF MAHARASHTRA, INDIA.

Application No. 135004 filed March 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A mobile machine for compressing hay, cotton, cotton waste or like soft and bulky materials into bales, the said machine being mounted on a chassis or frame which is provided with a set of wheels and means for towing the said chassis by hauling, atleast one of the said wheels being swivelably fitted underneath the said chassis or frame, the said machine comprising a compression chamber made of steel or like strong material, the said compression chamber being a hollow elongated cylinder fitted horizontally on the said chassis or the frame, one end of the said compression chamber having at its top an opening which serves as an inlet for receiving by gravity hay or like soft and bulky material, through the said end passes a reciprocating ram which is adapted to traverse a distance slightly more than the said top opening, the said ram being connected by means of a connecting rod to the crank of a crank-shaft, the said crank-shaft being connected by means of gear-wheels to a driving shaft, the said crank-shaft and the said driving shaft being rotatably supported in their respective bearings which are fitted on the said frame or chassis, the said driving shaft being connected by means of belt and gear transmission to a prime mover which is fitted on the said chassis or frame.

CLASS 60-B.

136404.

BACKING MEMBER FOR GARMENT FASTENING DEVICES.

THOMAS WALKER LIMITED, OF 39 ST. PAUL'S SQUARE, BIRMINGHAM B3 1QY, ENGLAND.

Application No. 500/72 filed June 12, 1972.

Convention date June 21, 1971 (29037/71) U.K.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A backing member for a pronged fastener component of a garment fastening device of the kind referred to, said backing member comprising a sheet-metal plate body portion having opposite first and second faces and, indented in said body portion, a recessed formation or configuration which provides said first face with an embossed or protuberant profile and which provides, re-entrant with respect to said second face of the bodyportion, a recess or recesses said backing member further including, in folded-over relationship with said body portion, an integral tongue portion which confronts said second face of the body portion in substantially abutting engagement and which overlies said recess or recesses and defines, in co-operation with said recess or recesses, spaced-apart pockets of elongate channel form which are disposed within a localised area spaced inwards from the marginal edges of said body portion and which are adapted to accommodate, longitudinally therein, the bent-over portions of the prongs of the pronged fastener component after clenching so that said bent-over portions are enclosed and confined laterally, openings being provided in said tongue portion disposed adjacent one end of each pocket for entry therein of said prongs, said recess or recesses presenting adjacent said openings, curved or inclined guide surfaces adapted to engage and deflect the fastener component prongs when the latter are driven through said openings into said pockets during the operation of attaching the fastener component by means of a clenching press thereby automatically to clench said prongs and cause them to lie substantially flat, within said recess or recesses, against said tongue portion so as to clamp the backing member to the garment fabric material.

CLASS 50-B.

136405.

DOMESTIC & INDUSTRIAL HUMIDIFIER-CUM-COOLER.

DR. DILIP KUMAR ROY, 85/10, G. T. ROAD, WEST, P.O. SERAMPORE, DISTT. HOOGHLY, WEST BENGAL, INDIA.

Application No. 783/72 filed July 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A domestic and industrial humidifier-cum-cooler such as an air cooler, comprising a housing having a blower and a pump disposed therein, said housing having at least a first wall through which a gaseous fluid, such as atmosphere or pressurized, air is introduced within said housing by said blower, a second wall through which said gaseous fluid is discharged therefrom characterized in a plurality of coolant absorbant members being disposed within said housing in a parallel and spaced relation to each other, each member consisting of at least one continuous surface or a plurality of individual surfaces disposed along the same plane to constitute a single member, said members disposed within said housing in a direction such as to allow the gaseous fluid stream flowing therethrough to traverse through the space defined between adjacent members or the individual surfaces and thus have essentially only a surface contact with said members or surfaces.

CLASS 146D₂.

136406.

CINEMATOGRAPH PROJECTION SCREEN.

THE RANK ORGANISATION LIMITED, OF MILLBANK TOWER, MILLBANK, LONDON, S. W. 1, ENGLAND.

Application No. 863/72 filed July 14, 1972.

Convention date October 6, 1971 (46441/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A cinematograph projection screen comprising a screen base which is coated with a lacquer containing crystals comprising mica flakes which are coated with titanium dioxide, the mica flakes being transparent or translucent to white light, having a high refractive index and high reflectivity, and being in the form of platelets of which most have a diameter or largest dimension in the range 5-40 microns.

CLASS 14D₁+D₂.

136407.

IMPROVEMENT IN OR RELATING TO GALVANIC CELL.

UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATES OF NEW YORK 10017, UNITED STATES OF AMERICA.

Application No. 1239/72 filed August 23, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A galvanic cell comprising a container having an alkaline electrolyte therein, characterised in that said galvanic cell has at least one surface subject to wetting by said alkaline electrolyte and wherein at least a portion of said surface where such wetting is not desired comprises a fatty polyamide.

CLASS 32A₁.

136408.

PROCESS FOR THE MANUFACTURE OF NEW DIS-AZO PIGMENTS.

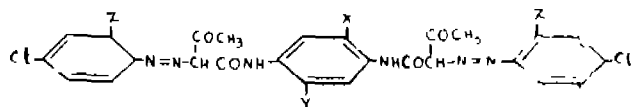
CIBA-GEIGY AG, OF KLYBECKSTRASSE 141, BASLE, SWITZERLAND.

Application No. 1295/72 filed August 30, 1972.

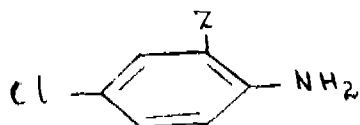
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

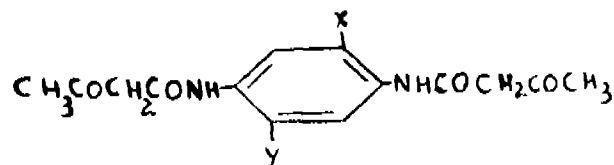
Process for the manufacture of disazo pigments of the formula shown in Fig. 1.



wherein Z denotes halogen, the methyl, nitro, nitrile or trifluoro-methyl group or an alkoxy group containing 1-4 C atoms, X denotes hydrogen, an alkyl or alkoxy group containing 1-4 C atoms, the nitro nitrile or trifluoromethyl group or an aminocarbonyl group containing 1-4 C atoms, if Z denotes the methyl group or an alkoxy group, the X denotes hydrogen, halogen, an alkyl or alkoxy group containing 1-4 C atoms, the nitro, nitrile or trifluoromethyl group or an aminocarbonyl group containing 1-4 C atoms if Z represents the trifluoromethyl group, Y denotes hydrogen, halogen, an alkyl group containing 1-4 C atoms or the trifluoromethyl group if Z represents the trifluoromethyl group, and Y represents an alkyl group if Z denotes the methyl group and X denotes chlorine, characterised in that a diazo or diazoamino compound of an amine of the formula shown in Fig. 2.



is coupled with a bis-acetoacetyl-p-phenylenediamine of the formula shown in Fig. 3



is the molar ratio of 2 : 1.

CLASS 10B+F.

136409.

FUSE FOR NON-GRATORY MISSILES.

MEFINA S. A., OF 5A, BOULEVARD DE PEROLLES, FRIBOURG, SWITZERLAND.

Application No. 1374/72 filed September 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A fuse for non-gratory missiles of the type including a striker operating upon impact on the target, a detonator adapted to be shifted out of an inoperative position, for which it lies beyond the reach of said striker, towards an operative position across the path of the latter and a delayed ignition system, wherein said delayed ignition system includes an auxiliary striker adapted to act on an auxiliary detonator while a hand-operable locking mechanism prevents operation of the first-mentioned striker when the explosion of the missile is to be delayed.

CLASS 70B.

136410.

BIPOLAR MULTIPLE ELECTROLYTIC CELL COMPRISING A DIAPHRAGM.

FRIEDRICH UHDE GMBH, 46 DORTMUND, DEGGINGSTR., 10-12, WEST GERMANY.

Application No. 1530/72 filed September 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A bipolar multiple electrolytic cell comprising a diaphragm for decomposing alkali-halogenide solutions, and in which the cells, electrically connected in series, are formed by a continuous series of planar metal electrodes, frames, diaphragms and further metal electrodes, the metal electrodes act on one side as the anode and on the other as the cathode, and the anode side is made of titanium which is coated with a metal or metal oxides for activation purposes, characterized in that the cathode side consists of that side of the titanium sheet that is densely coated with a metal or a metal alloy.

CLASS 159K+L.

136411.

SYSTEM FOR THE INDUCTIVE TRANSMISSION OF TRACK INFORMATION TO LOCOMOTIVES IN RAILWAY SIGNALLING SYSTEMS.

INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 1574/72 filed October 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A system for inductively transmitting track information to locomotives or trains in railway signalling systems, wherein the locomotives or trains have magnets with active resonant circuits which are fed from equipment mounted on the locomotives or trains with currents of suitable frequency, wherein at particular points of the tracks there are track magnets with passive resonant circuits which are enabled or not dependent on track information to be indicated, wherein, when a track

magnet is passed over, an enabled passive resonant circuit extracts power from an active resonant circuit in the magnet of the locomotive or train which radiates that same frequency, whereby an information relay in said active resonant circuit is caused to change its state, wherein the active resonant circuits of the locomotive or train magnet are fed from a common, bridge-stabilized control generator via frequency dividers and power amplifiers and wherein to supervise the value of the current flowing in an active resonant circuit, there is provided an evaluating unit with an adjustable threshold of response and storage behaviour, whose output is connected to the respective relay.

CLASS 27-I & 117B. 136412.

IMPROVEMENT IN OR RELATING TO MORTICE LOCK HANDLES.

EASTERN COMMERCIAL & INDUSTRIAL ENTERPRISES PVT. LTD., C-279, DEFENCE COLONY, NEW DELHI-3, INDIA.

Application No. 2228/72 filed December 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A mortice lock handle characterised in that it comprises of a base channel covered with snap-on-apron concealing the visible screws on the base channel and thereby avoiding the slots on the screw heads, the source of dust collection, in which a lever handle is fitted with means whereby the handle can be displaced rotatably and pivotally in a nylon moulded pivot which is seated commonly in the base channel as well as in the snap on apron, the said lever restores normal horizontal position when left free characterised in that said means consist of a striking plate which would also angularly be displaced to the extent the handle is, and thus developing tension in strip wound spring, the one end of which is fitted in the narrow slot of the handle stem and the other end is fitted in the base channel the said spring which develops tension when the lever is pushed down to have angular displacement brings the lever back to the horizontal position when it is left free and the said developed tension in the spring will be released and the whole operation of the lever is smooth and friction free as it bears only against nylon base pivot.

CLASS 206D+E. 136413.

IMPROVEMENTS IN OR RELATING TO TEMPERATURE CONTROL SYSTEMS.

SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, GERMANY (WEST).

Application No. 1188/Cal/73 filed May 21, 1973.

Convention date February 21, 1973 (8390/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims.

A temperature control system in which a resistance bridge is provided with a temperature-dependent resistor as a temperature sensing element, supply voltage terminals being connected across one diagonal of the bridge and two differential inputs of an operational amplifier of integrated circuit type being connected across the other diagonal of said resistance bridge, which is the output of said operational amplifier being connected to a transistor in a common emitter circuit with a heating resistor, connected to the collector electrode of the transistor and a voltage divider being arranged in parallel with said heating resistor one component of said voltage divider being connected in an arm of said resistance bridge, and that the values of the individual bridge arms being of substantially equal values at a nominal operating temperature

CLASS 146C.

136414.

TRANSISTORIZED RAIN PREDICTOR.

ARUN SHRIHARI ZADGAONKAR, LECTURER ELECT. ENGG. GOVT. COLLEGE OF ENGINEERING & TECHNOLOGY RAIPUR M. P. AND MADHUSUDAN GOVINDRAO TARNEKAR LECTURER GOVT. SCIENCE COLLEGE RAIPUR M.P., INDIA.

Application No. 49/Bom/72 filed October 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

A device for predicting the nature of rainfall, about a week in advance, by comparing the red and green radiations, received from the sun, with the help of a phototube/phototransistor or any other similar device coupled with proper amplifier and a current indicating meter or other like devices.

CLASS 32F₁ & 55D₁.

136415.

METHOD FOR THE PREPARATION OF NOVEL ACETANILIDES.

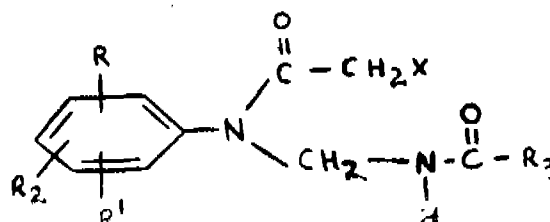
MONSANTO COMPANY, 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, U.S.A.

Application No. 109/72 filed May 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A method for the preparation of a compound of the formula shown in Fig. 2.



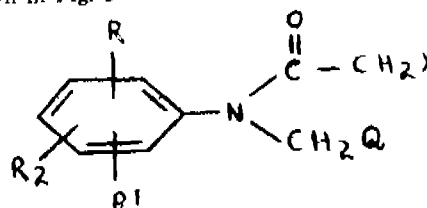
wherein :

R and R¹ are hydrogen, alkyl or alkoxy having at least 1 and not more than 10 carbon atoms and can be like or unlike.

R² is hydrogen, alkyl or alkoxy having at least 1 and not more than 10 carbon atoms, NO₂ or halogen.

R³ is hydrogen, alkyl, alkenyl, alkynyl, alkoxy, alkylthio, polyalkoxy, polyalkylthio, alkoxyalkyl, alkylthioalkyl, polyalkoxyalkyl, polyalkylthioalkyl, haloalkyl, hydroxyalkyl, mercaptoalkyl, haloalkenyl, oxoalkyl, alkenyloxyalkyl, alkenylthioalkyl, each of a maximum of 18 carbon atoms; cycloalkyl having at least 3 and a maximum of 6 carbon atoms; aryl, aryloxyalkyl, arylthioalkyl, trifluoromethyl- and haloaryl, trifluoromethyl- and haloaryloxyalkyl, trifluoromethyl- and haloarylthioalkyl, arylalkyl, nitroaryl, nitroaryloxyalkyl, nitroarylthioalkyl, and nitroarylalkyl having at least 6 and not more than 24 carbon atoms; amino or mono- and dialkylamino, monoarylamino, mono (haloaryl) amino, mono (trifluoromethylary) amino, alkylalkoxyamino having a maximum of 10 carbon atoms,

X is chlorine, bromine or iodine which comprises reacting a nitrile of the formula R³CN with a compound of the formula shown in Fig. 3



wherein Q is halogen, alkoxy, alkylthio, hydroxy, mercapto or alkenyloxy in an aqueous acidic medium and quenching the reaction product in water.

CLASS 129G.

136416.

STEM FIXING APPARATUS FOR EXTRUSION PRESS.

UBE INDUSTRIES, LTD., OF 12-32, NISHIHONMACHI 1-CHOME, UBESHI, YAMAGUSHI-KEN, JAPAN.

Application No. 221/Cal/73, filed January 31, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A stem fixing apparatus for extrusion press consisting of a crosshead ring with a flange part mounted on the crosshead, a stem provided with a tapered surface at its rear end, a stem holder ring provided with a tapered inner surface and movable along the axis of said stem and securable to said crosshead ring by means of a plurality of securing bolts, such apparatus comprising;

an inner surface consisting a partially splined surface with a plurality of splined grooves on its more than half circle provided on said crosshead ring;

an outer surface consisting of a partially splined surface with a plurality of corresponding splined grooves on its more than half circle provided on the stem holder ring;

a plurality of long bolt holes of key-hole configuration provided on said stem holder ring;

a corresponding number of securing bolts mounted on the crosshead ring.

and an arranging of the stem and the stem holder ring into the cavity of the crosshead ring and by turning said stem holder ring slightly and fastening it to the crosshead ring by means of said securing bolts the setting of the stem against the crosshead can be accomplished, and the dismantling of the stem holder ring from the crosshead ring is accomplished by only slightly loosening the securing bolts.

CLASS 62C₁ & 154A.

136417.

A PROCESS FOR DYEING AND PRINTING OF TEXTILES WITH PIGMENT DYES.

THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG, GHATKOPAR (WEST), BOMBAY-86, INDIA.

Application No. 3/Bom/73 filed January 3, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims. No drawings.

A process for dyeing and printing of textile materials in the form of fibres, yarns or fabrics made of cotton, viscose, nylon polyester or their blends which comprises in treating the said materials with a dyeing or printing composition containing inorganic or organic pigment dyes, pigment binder and a fixing agent which is either sulphamic acid or ammonium sulphamate in the presence or absence of liquor ammonia and the dyes or printed material after drying is subjected to temperatures of 110-160°C for a period of 30 seconds to five minutes for fixation of the binder and the pigment dyes on the textile material.

CLASS 32A₁.

136418.

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF NEW REACTIVE DYES HAVING SULPHONAZIDO GROUPS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 2231/72 filed December 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the preparation of azo and anthraquinone reactive dyes having sulphonazido groups such as 1-(para-sulphonazidophenylazo)-2-naphthol, 6-sulphonazido-1-phenylazo-2-naphthol, 4-dimethylamino-4-sulphonazido azo benzene

and 1-methyl-amino-4-para-toluidino anthraquinone containing sulphonazido group in the benzene ring, which consists in reacting the corresponding dyes having sulphonic acid groups with chlorinating agents such as thionyl chloride followed by reacting the resulting sulphonyl chlorides with alkali metal azides such as sodium azide.

CLASS 62C₁.

136419.

IMPROVEMENTS IN OR RELATING TO THE APPLICATION OF REACTIVE DYES TO CELLULOSIC PROTEIN AND SYNTHETIC FIBRES AND THEIR BLENDS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 221/72 filed May 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A process for the application of reactive dyes to cellulosic, protein and synthetic fibres and their blends by treating the fibres with aqueous dispersions of a dye at 25° to 100°C and chemically fixing the dye on the fabric by heating the treated fibres in the temperature range of about 140° to 200°C characterized in that the dyes consist of azo and anthraquinone chromophoric systems containing an azido group such as 1-(para-sulphonazidophenylazo)-2-naphthol, 6-sulphonazido-1-phenylazo-2-naphthol and 4-dimethylamino-4-sulphonazido-azobenzene prepared according to our Indian Patent No. 136418.

CLASS 32E.

136420.

PROCESS FOR THE POLYMERIZATION OF α -OLEFINS.

FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 937/72, filed July 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A process for the preparation of polymers of at least one α -olefin of the formula $\text{CH}_2=\text{CHR}$, in which R represents an aliphatic hydrocarbon chain having from 1 to 8 carbon atoms, which is unsubstituted or substituted by alkyl radicals, mixtures of these olefins among each other, with or without ethylene, the content of one of the α -olefins in the mixture being at least 95% by weight and for the block polymerization of these olefins while using a catalyst system consisting of component A: the solid titanium-containing reaction product obtained by the reaction of titanium tetrachloride with diethylaluminium monochloride or ethylaluminium sesquichloride in an inert hydrocarbon as solvent, at a temperature of from -20 to +20°C, and with a Al-Ti molar ratio of diethylaluminium monochloride to titanium tetrachloride of from 0.6 to 1.5, the organo-aluminium compound being added to the TiCl_4 , by separating the soluble reaction products, by washing the solid reaction product with a solvent and subsequently subjecting it to a thermal treatment at a temperature in the range of from 60 to 150°C,

component B: diethylaluminium monochloride, and

component C: alkali chlorides,

optionally, with regulation of the molecular weight by means of hydrogen at a temperature of from 20 to 75°C, under a pressure of less than 50 atmospheres gage, which comprises subjecting the solid titanium-containing reaction product (component A) in the absence of the monomers, prior to the addition of the alkali chloride, preferably sodium chloride and/or potassium chloride (component C), to a preliminary treatment with diethylaluminium mono-chloride (component B).

CLASS 129G.

136421.

A DEVICE FOR CUTTING GROOVES IN ROLLS REQUIRED FOR THE FORMATION OF RIBS ON STEEL REINFORCING RODS.

SINGH & ASSOCIATES, OF 112/196, SWARUP NAGAR, KANPUR-2, UTTAR PRADESH, INDIA.

Application No. 1018/72 filed July 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A device for cutting grooves in rolls required for the information of ribs on steel reinforcing rods comprising means for rotatably mounting the roll having one or more circumferential grooves, the section of the groove in the roll depending upon the section of the reinforcing rod to be formed, means for turning the roll through a predetermined angle, a tool holder with the tool adapted to be applied against the surface or bed of the groove and means for rotating the said tool holder through a motor; the tool holder, the motor and the driving means between the tool holder and the motor all forming a combined unit and held by a bracket with means for shifting the position of the said unit so that the tool can be adjusted to trace the required path in the formation of the arcuate groove in the roll when held against the groove in the roll thereby forming an arcuate groove of the desired type by the action of the said tool.

CLASS 85C+R.

136422.

IMPROVEMENTS IN AND RELATING TO SHAFT FURNACE CHARGING EQUIPMENT.

S. A. DES ANCIENS ETABLISSEMENTS PAUL WURTH, OF 32, D'ALSACE, LUXEMBURG, GRAND DUCHY OF LUXEMBOURG.

Application No. 830/72 filed July 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Apparatus for charging a shaft furnace, comprising storing means positioned externally of the furnace for storing raw material to be delivered to the interior of the furnace, spreading means mounted within the throat of the furnace for distributing the raw material entering the furnace to various positions within the furnace, said spreading means being rotatable about a longitudinal axis of the furnace and angularly adjustable with respect to said axis independently of the rotation, spout means leading into the head of the furnace and positioned above said spreading means to direct the raw material from said storing means to said spreading means, means for selectively sealing and opening said storing means with respect to said spout means, first driving means for rotating said spreading means about said axis and second driving means for angularly adjusting said spreading means independent of the rotation thereof, both said first and second driving means being positioned inside said furnace and connected to operating means located externally of the furnace by actuating means extending in a gas-tight manner through the wall of the furnace.

CLASS 195B.

136423.

DIAPHRAGM PUMPS.

DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 708/72 filed June 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A diaphragm pump which comprises a pump housing, a diaphragm dividing the housing into a pumping chamber having means for pump intake and pump discharge, and a pump actuating chamber having an opening opposite to, and

concentric with the diaphragm, said actuating chamber having a supply-and vent connection for introducing into said chamber a fluid pressure medium effective to move the diaphragm to execute the delivery stroke of the pump, as well as for venting said chamber during the return stroke of the pump

an actuating rod connected to said diaphragm and extending through said opening in sealing relationship therewith

auxiliary fluid pressure actuated means connected to the outer end of said actuating rod, and constructed and arranged so as to be operable in such a manner that the fluid pressure applied to said actuated means will impart to the diaphragm a positive suction lift stroke, while said actuating chamber is vented through said supply—and vent connection,

and means for applying fluid pressure through said supply—and vent connection to the actuating chamber to effect the pump delivery stroke while said fluid pressure-actuated means are vented.

CLASS 15A.

136424.

IMPROVEMENTS IN OR RELATING TO BEARINGS FOR RAILWAY VEHICLES AXLES.

VANDERVELL PRODUCTS LIMITED, OF NORDEN ROAD, MAIDENHEAD, BERKSHIRE, ENGLAND.

Application No. 1499/72 filed September 25, 1972.

Convention date October 12, 1971 (47545/71) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A bearing for a railway vehicle axles comprising a bearings block having a part-cylindrical recess and a bearing liner held in the recess in the block, characterised in that the bearing liner is held in the recess by a first abutment extending along the recess with which one axial edge of the liner engages, a second abutment extending along the recess and spaced opposite the other axial edge of the liner, the second abutment having wedge faces which converge towards said other liner edge towards the centre of the abutment and two tapered keys driven between the other liner edge and the two wedge faces to apply a uniform compressive force along the edge of the liner to press the liner against the surface of the recess.

CLASS 36B.

136425.

ELECTRIC FAN.

MATSUSHITA SEIKO CO., LTD., OF 18, IMAFUKU-KITA-1-CHOME, JOTO-KU, OSAKA, JAPAN.

Application No. 886/72 filed July 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An electric fan characterized by the provision of a detecting means adapted to emit a signal upon sensing a portion of the human body getting close to an impeller of the fan driven by an electric motor, a braking device for braking the rotating impeller and a control circuit for operating said braking device in response to the signal from said detecting means.

CLASS 9D & 11A+C.

136426.

IMPROVEMENT IN A METHOD FOR HEAT TREATING STRIP MATERIAL AND APPARATUS FOR THE SAME.

ALLEGHENY LUDLUM INDUSTRIES, INC., OF 2000 OLIVER BUILDING, PITTSBURGH, COMMONWEALTH OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1437/72 filed September 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

In a method for heat treating strip material in coil form including the steps of positioning a coil in vestibule at the entrance end of an elongated furnace, sealing said vestibule and purging the same of gaseous contaminants, thereafter transferring the coil from the vestibule to the furnace and moving said coil from the entrance end of the furnace through successive heating and cooling zones of the furnace while circulating through said furnace an oxidizable non-oxidizing gas, and finally removing the coil from the exit end of said furnace; the improvement in said method which comprises initially evacuating said vestibule means to purge it of gaseous contaminants, then filling said vestibule means with said oxidizable non-oxidizing gas and again evacuating said vestibule means to purge it of said gas before the coil is transferred from said vestibule means to said furnace.

CLASS 172B+D.

136427.

A GAS SINGEING DEVICE FOR TWISTING MACHINES, IN PARTICULAR DOUBLE-TWISTING MACHINES.

PALITEX PROJECT-COMPANY G.M.B.H. OF WEESER WEG 8, 415 KREFELD, WEST GERMANY.

Application No. 1675/72 filed October 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A gas singeing device for twisting machines, in a particular double-twisting machines, having a solid-wall hollow cylinder of highly heat-resistant material provided with a longitudinal slot against the solid jacket surface of which a burner nozzle is directed, characterised in that the solid jacket surface constitutes a part of the well of a gas combustion chamber into which the burner nozzle protrudes and which is connected a cross a suction tube to a suction duct in such a way that the suction tube partially surrounds the combustion chamber casing and a suction slot is left free between the suction tube and the combustion chamber casing.

CLASS 19E.

136428.

RAWL PLUG.

THE K. C. P. LIMITED, OF 38 MOUNT ROAD, MADRAS-6, INDIA.

Application No. 998/72 filed July 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims.

A plug for securing a screw on to a wall comprising an elongate solid and substantially tubular body portion and a hollow head portion, said body portion being provided with a recess extending along the length of the said body portion so that when a screw is inserted through said head portion and screwed on the said body portion the said body portion slightly expands due to the provision of the recess and firmly engages the walls of the hole within which said plug is fitted.

CLASS 119-B & 165-B.

136429.

PROCESS AND MACHINE FOR TYING THE THREADS OF TWO WARPS.

KNOTEX MASCHINENBAU GMBH., OF MERANER STRASSE 5A, 89 AUGSBURG, WEST GERMANY.

Application No. 1462/73 filed September 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for tying the threads of two warps, in which the ends of the two threads to be tied in each case are attached to the front of a knotting-pin and then wound round the pin, the threads wound round the pin are then slipped off the pin and the knot thus tied is next drawn tight and the thread ends attached to the front of the pin removed from the pin, while

the threads in the space between the knot and the lease-ends holding them are subjected to a sideways deflection, characterized in that the two threads to be tied are found twice round the pin before they are slipped off the pin.

CLASS 33-D.

136430.

AN IMPROVED METHOD OF FORMING INGOTS OF MOLTEN METALS.

AIKOH CO., LTD., OF NO. 1-39, 2-CHOME. IKENO-HATA, TAITO-KU, TOKYO, JAPAN.

Application No. 692/72 filed June 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

An improved method of forming ingots of molten metals which comprises in pouring the molten metal through feeder head into a casting mold and removing the cold cast ingots wherein the improvement comprises in pouring the molten metal into the ingot, adding to the molten metal surface a heat retaining material for heat retention of the feeder head and fluidity of the molten metal, the heat retaining material comprising a carbonized plant containing a large amount of fibrous matter and at least one substance selected from refractory material, easy-oxidizable metal, metal oxide and inorganic material effective for heat retention of the feeder head, each of said substances having a particle size distribution consisting of 48 to 200 mesh in an amount of less than 50% by weight and larger than 48 mesh and smaller than 200 mesh in a total amount of from more than 50 to less than 100% by weight and the amount of said substance having a particle size of larger than 48 mesh being approximately equal to that of said substance having a particle size of smaller than 200 mesh, whereby the said material being combustible generates heat and forms voids of large volume, thereby forming a heat insulating layer in the hot top over the cast metal.

CLASS 69-I.

136431.

ELECTRICAL SWITCHES.

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 174/72 filed May 11, 1972.

Convention date June 12, 1971 (27660/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrical switch including a first hollow body part having an inlet passage adapted for connection to a source of fluid under pressure, a first plunger within said inlet passage in sealing relationship therewith, a second substantially cylindrical body part secured to the first body part, a support member between the first and second body parts, a second plunger carried by the support member and abutting at one end against said first plunger and at its other end against a movable contact plate defining the movable contact of the switch, the fixed contacts of the switch being carried by said second body part and the pressure of the fluid in said inlet passage in use acting through said plungers to operate the switch contacts.

CLASS 31C.

136432.

MEANS FOR HOLDING AND ELECTRICALLY CONTACTING CERAMIC RESISTOR FOR OPERATION AT HIGH TEMPERATURE.

DANFOSS A/S, NORDBORG, DENMARK.

Application No. 1245/72 filed August 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

Means for supporting and electrically contacting a ceramic resistor suitable for operation at high temperature including a frame,

a support plate carried by the frame and having an aperture for receiving with a loose fit such a ceramic resistor whereby to provide support for the resistor at a position disposed centrally between and portions of the resistor without substantially impeding radial thermal expansion of the resistor.

resilient electrical contact means carried in the frame for engaging firmly with end surfaces formed on the respective resistor end portions in a manner such as to prevent displacement of the resistor from the support plate without substantially impeding longitudinal thermal expansion of the resistor.

CLASS 91 & 127-I.

136433.

IMPROVEMENTS RELATING TO A DEVICE FOR REGULATING SPEED OF ROTATION OF A SHAFT.

INDUSTRIAS DE RELOJERIA S. A., OF VILLARROEL 137 - BARCELONA - SPAIN.

Application No. 545/72 filed June 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for regulating speed of rotation of a shaft particularly applicable to clock work mechanism, characterized in that the rotating shaft is solidly fixed to transducers or magnetic elements which turn therewith, which transducers or magnetic elements face each other at a pre-determined point in their circular path around a first pickup coil and at a different point in their path around a second pickup coil and a drive coil, so that when passing the first coil they induce a voltage therein which is transmitted to a monostable circuit which is triggered as a result thereof, said monostable circuit responding at its output with a voltage pulse having a constant and pre-determined duration, said circuit being coupled at its output to an amplifier, said amplifier being blocked on receipt of said output pulse, said amplifier having at its input said second pickup coil and at its output said drive coil which faces, at any point of said circular path, said transducers or magnetic elements which are driven thereby, said monostable circuit being timed so that its output pulse has a duration equal to that which said magnetic elements would take to travel the distance between the first and second pickup coils.

CLASS 11C & 27B-I.

136434.

GREENHOUSE.

BETEILIGUNGS-A. G. FÜR HAUSTECHNIK, OF GLARUS, SWITZERLAND.

Application No. 208/72 filed May 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A greenhouse having roofing which comprises an assembly of inflatable parallel tubes of plastics foil supported by a load-carrying structure, and in which the degree of atmospheric communication between the environments on either side of such roofing can be controlled by the selective inflation and deflation of some or all of said tubes, and means arranged for effecting such selective inflation and deflation.

CLASS 32A₁ & 62C₁.

136435.

PROCESS FOR THE PRODUCTION OF WATER-INSOLUBLE MONOAZO DYESTUFFS.

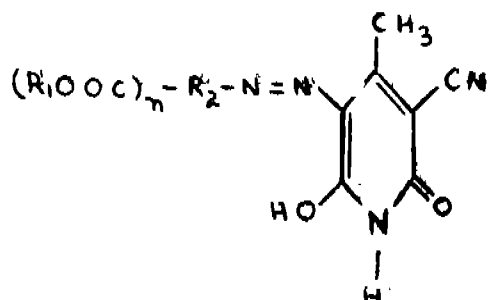
CASELLA FARBERWERKE MAINKUR AKTIENGESellschaft, OF 6 FRANKFURT (MAIN)-FECHENHEIM, WEST GERMANY, HANAUR LANDSTRASSE 526.

Application No. 1710/72 filed October 23, 1972.

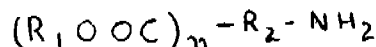
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

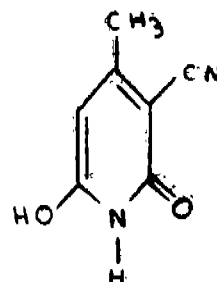
A process for the production of dyestuffs of the general formula I.



wherein R₁ is ethyl substituted by at least one halogen, hydroxy, alkoxy having 1 to 4 carbon atoms, phenoxy, alkanoyloxy having 2 to 5 carbon atoms, benzyloxy or cyano substituent alkyl or alkenyl having 3 to 12 carbon atoms and optionally substituted by at least one of the aforementioned substituents; cycloalkyl having 3 to 7 carbon atoms and optionally substituted by either at least one of the aforementioned substituents or by alkyl having 1 to 4 carbon atoms; benzyl or phenethyl optionally substituted by either at least one of the aforementioned substituents or by alkyl having 1 to 4 carbon atoms. R₂ is phenylene or phenylene substituted by at least one halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms or nitro substituent, and n is 1, 2 or 3, comprising diazotising an amine of the general formula II.



wherein R₁, R₂ and n having the meanings indicated above and coupling the diazonium compound obtained with 3-cyano-4-methyl-6-hydroxy-2-pyridone of the formula III.



CLASS 127-I.

136436.

AN ANNULUS FOR USE IN RESILIENT COUPLINGS.

KOPPERS COMPANY, INC., OF 436 SEVENTH AVENUE, PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1717/72 filed October, 23, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

An elastometric annulus for use in a coupling for connecting a pair of adjacent hubs attached to two generally co-axially aligned shafts, said annulus including:

a series of rectilinear, resilient and compressible columns connected with their longitudinal axes along the sides of a flat polygon;

an arm means projecting transversely of said longitudinal axes at each intersection of two adjacent columns;

said arm means alternately projecting from the front and rear faces of each of said adjacent columns with respect to the plane of the said flat polygon; and

a recess on each of said front and rear faces of said columns extending from the projection of said arm means toward the opposite end of said columns.

CLASS 32C & 55F.

136437.

PROCESS FOR THE PRODUCTION OF COVALENTLY CARRIER BOUND PENICILLIN ACYLASE.

BAYER AKTIENGESellschaft, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1844/72 filed November 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings.

A process for the production of covalently carrier bound penicillin acylase, in which a carrier, which is a copolymer of acrylamide, N, N'-methylene-bis-acrylamide and maleic acid in the anhydride form, is contacted with an aqueous solution of penicillin acylase at pH 5 to 6.5 and a temperature of below 20°C for at least 3 hours.

CLASS 34A & 55F.

136438.

A MICRO-CONTAINER AND A PROCESS FOR THE PRODUCTION THEREOF.

SNAM PROGETTI S.P.A., OF 16, CORSO VENEZIA, MILAN, ITALY, AND PROTEZIONE RICERCA INDUSTRIALE S.A., OF VIA PRETORIO 7, LUGANO, SWITZERLAND.

Application No. 32/72 filed April 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A micro-container which is a microfilament having a diameter of not more than 100 μ and which comprises a length of core material such as herein described containing a substance having chemical or physical activity encased in a sleeve such as herein described which provides a major part of the mechanical strength of the microfilament and which can be ruptured or disintegrated under predetermined conditions.

CLASS 32B.

136439.

PROCESS FOR THE OXIDATION OF MONO-OLEFINS CATALYSED BY TIN OXIDE CONTAINING TRACE AMOUNT OF SULPHUR.

DR. DINKAR GOVIND TAKTE, AT AND POST-KHADAMBE (BUDRUK), TALUKA RAHURI, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

Application No. 177/Bom/73 filed May 22, 1973.

Division of Application No. 130733 filed March 26, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims. No drawings.

Process for the oxidation of mono-olefin comprising contacting a gaseous feed comprising the mono-olefin and oxygen with tin oxide catalyst containing trace amount of sulphur, prepared by calcining tin sulphide in air, at a temperature from 280°C to 400°C.

CLASS 32B.

136440.

PROCESS FOR THE OXIDATION OF MONO-OLEFINS CATALYSED BY TIN OXIDE DOPED WITH HALOGEN.

DR. DINKAR GOVIND TAKTE, AT AND POST-KHADAMBE (BUDRUK), TALUKA RAHURI, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

Application No. 178/Bom/73 filed May 22, 1973.

Division of Application No. 130734 filed March 26, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims. No drawing.

Process for the oxidation of mono-olefins comprising contacting a gaseous hydrocarbon feed comprising the mono-olefin and oxygen, with tin oxide catalyst, which has been prepared by doping tin oxide with an organic or inorganic halogen containing compound under vacuum of the order of 10-5 mm Hg, at a temperature from 340°C to 490°C.

CLASS 32B.

136441.

PROCESS FOR THE OXIDATION OF MONO-OLEFINS CATALYSED BY INDIUM OXIDE CONTAINING TRACE AMOUNT OF SULPHUR.

DR. DINKAR GOVIND TAKTE, AT AND POST KHADAMBE (BUDRUK), TALUKA RAHURI, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

Application No. 179/Bom/73 filed May 22, 1973.

Division of Application No. 130736 filed March 26, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims. No drawings.

Process for the oxidation of mono-olefins comprising contacting a gaseous feed comprising the mono-olefin mixed with oxygen with indium oxide catalyst containing trace amount of sulphur, which has been prepared by heating indium sulphide in air, at a temperature from 320°C to 420°C.

CLASS 32E.

136442.

PROCESS FOR THE POLYMERISATION OF MONO-OLEFINS CATALYSED BY GALLIUM OXIDE DOPED WITH HALOGEN.

DR. DINKAR GOVIND TAKTE, AT AND POST KHADAMBE (BUDRUK), TALUKA RAHURI, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

* Application No. 180/Bom/73 filed May 22, 1973.

Division of Application No. 130737 filed March 26, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims. No drawings.

Process for the polymerisation of mono-olefin comprising contacting a gaseous feed comprising the mono-olefin with gallium oxide catalyst which has been prepared by doping gallium oxide with an organic or inorganic volatile containing compound under vacuum of the order of 10-5 mm Hg, at a temperature from 360°C to 430°C.

CLASS 172B+F.

136443.

COMPOSITE YARN FORMING METHOD AND APPARATUS.

EMILIAN BOBKOWICZ, DR. ANDREW JOHN BOBKOWICZ AND MARGARET MARY LEFEBVRE (NEE BOBKOWICZ), OF 1435 ST. ALEXANDER STREET, MONTREAL 2, QUEBEC, CANADA.

Application No. 1986/72 filed November 24, 1972.

Convention date July 6, 1972/(146, 543/72) (Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

Method of producing composite spun yarn which comprises: forwarding a carrier strand under tension into a groove of a rotating circumferentially grooved roll; simultaneously introducing into said groove a polymer in tacky condition and also introducing therein staple fibers; imparting to the three components within the groove, namely carrier strand, tacky polymer and staple fibers, a predetermined twist from an angle such that the strand in the groove is forced against the bottom of said groove while being twisted with the other components of the yarn within said groove; cooling to coagu-

late the polymer component of the twisted yarn; and linearly and continuously winding up the obtained twisted yarn on a collecting roll.

OPPOSITION PROCEEDINGS

Application for Patent No. 119258 made by J. G. Glass Industries (P) Ltd., opposition to the grant of a Patent on which was entered by Alimahomed Chhaganbhai Padamsee, and was notified in the Gazette of India, Part III, Section 2 dated the 4th November, 1972, has been abandoned by the applicants.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

124354 124453 124715 125456 126380 126459 126685 127209

(2)

123996 123997 125788 126368 126503 126518 127130 127265
127295 127506 127514 128227 128260 128402 128403 128433
128434 128709 128780 128889 130328 131475.

(3)

125614 125726 125757 126487 126993 127049 127066 127099
127142 127143 127158 127198 127263 127422 127583 127597
127865 127877 127884 127880 128576 128650 128659 128774
128882 129280 129379 129433 129674 130182 130283 130285
130323 130329 130631 130643 130904 131453 133904 133919
126582.

PATENTS SEALED

77755 81082 82506 86113 86824 88464 92278 92687 95317
104299 106664 109920 110792 112911 114974 115239 119795
124746 125894 126054 126790 126864 127394 127709 132244
132497 132610 132731 133116 133181 133192 133209 133210
133247 133248 133309 133336 133374 133508 133645 133722
133800 133831 134166 134606 134722 134974 135079 135128
135222 135242 135604 135615 135620 135640.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by Karamchand Premchand Private Limited in respect of patent application No. 78478 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(2)

The amendments proposed by Council of Scientific and Industrial Research in respect of patent application No. 79107 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146 (2) of the Patents Act, 1970, in respect of Calendar years 1972 and 1973, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date	Name and address of the Patentee	Brief title of the Invention
1	2	3	4	5
1.	114207	25-1-1968	Vulcan Cincinnati, 1329, Arlington St., Cincinnati, Ohio, U. S. A.	Multiple zone apparatus for the processing of fluids.
2.	114221	27-1-1968	Xerox Corporation of Rochester, New York, 14603, U. S. A.	Method of electrophoretic imaging using metal salts of 6-substituted 1 (1'-sulfo-2'-naphthylazo)-2-naphthols.

(3)

The amendments proposed by The British Drug Houses Limited in respect of patent application No. 80448 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(4)

The amendments proposed by Alrac Corporation in respect of patent application No. 126023 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(5)

The amendments proposed by Sankyo Company Limited in respect of patent application No. 126887 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(6)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning in respect of patent application No. 126903 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(7)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning, in respect of patent application No. 126904 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(8)

The amendments proposed by Council of Scientific and Industrial Research in respect of Patent Application No. 127173 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(9)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft Saint-Gobain, in respect of patent application No. 128604 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(10)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft Vormals Meister Lucius & Bruning, in respect of patent application No. 129614 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(11)

The amendments proposed by Hindustan Lever Limited in respect of patent application No. 131299 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

(12)

The amendments proposed by Rederiaktiebolaget Nordstjernan, in respect of patent application No. 131584 as advertised in Part III, Section 2 of the Gazette of India dated the 10th August 1974 have been allowed.

I	2	3	4	5
3	114529	14-2-1968	American Cyanamid Co., Wayne, New Jersey, U. S. A.	β -glycolides and polymers obtained from same.
4.	114575	24-11-1967	Glanzstoff A. G., Wuppertal, Elberfeld, West Germany	Linear polyurethane.
5.	114613	20-2-1968	American Cyanamid Co., Wayne, New Jersey, U. S. A.	Imino 1, 3-dithiethanes and dithiocarbamate, esters methods for and insecticidal composition containing the same
6.	114633	20-2-1968	Harold Holloway, 40-44, Stephen House, Dalhousie Square, Calcutta-1, West Bengal, India.	Strengthened impregnated fibrous material.
7.	114642	20-2-1968	Snam Progetti, S.p.A., 16, Corso Venezia, Milan, Italy	Ethylene oxide.
8.	114650	20-2-1968	Chevron Research Co., 100, West 10th St., Wilmington, Delaware, U. S. A.	Stable carbamate insecticide granules.
9.	114726	26-2-1968	American Cyanamid Co. Wayne, New Jersey, U. S. A.	Glycolide composition.
10.	114741	26-5-1968	Monsanto Co., 800, North Lindbergh Boulevard, St. Louis, Missouri, U. S. A.	Sulfonamide compounds.
11.	114841	5-3-1968	Norton Co., 1, New Bond, St., Worcester, 6, State of Massachusetts, U. S. A.	Abrasive products.
12.	114858	6-3-1968	Phillips Petroleum Co., Bartlesville, State of Oklahoma U. S. A.	Process of converting an cyclic polyne containing feed stream to produce olefinic hydrocarbons.
13.	114905	11-3-1968	— Do —	Olefin conversion and catalyst therefor.
14.	115019	18-3-1968	— do —	—do—
15.	115032	29-3-1967	Laporte Titanium Ltd., Hanover House, 14, Hanover Sq., London W. 1., England.	Titanium dioxide.
16.	115081	20-3-1968	Taiheiyo Kinzoku Kabushiki Kaisha, No. 6, 1-chome, Otemachi Chiyoda-ku, Tokyo, Japan.	Direct production method for medium and low carbon.
17.	115115	23-3-1968	Instituut Francais Du Petrole, 1 & 4, Avenue de Bois Preau, 92, Rueil-Malmaison, France.	Process of hydrogenating benzene.
18.	115133	25-3-1968	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Conversion of olefin hydrocarbons according to the olefin reaction.
19.	115134	25-3-1968	— do —	Process for the conversion of olefin into another olefin in the olefin reaction process
20.	115135	25-3-1968	— do —	Olefin conversion and catalyst therefor.
21.	115159	26-3-1968	— do —	Conversion of olefin and a catalyst therefor.
22.	115169	26-3-1968	Xerox Corp., Rochester, New York-14603, U. S. A.	Electrophoretic imaging process and apparatus therefor.
23.	115225	2-4-1968	Norton Co., 1, New Bond St., Worcester-6, State of Massachusetts, U. S. A.	Resin impregnated abrasive products.
24.	115300	5-4-1968	Monsanto Co. 800, North Lindbergh Boulevard, St. Louis 66, Missouri, U. S. A.	Carboxylic acids and esters.
25.	115365	10-4-1968	Instituut Francais Du Petrole, 1 et 4, Avenue de Bois Preau, 92, Rueil Mansion (Huts de Seine), France.	Polymerisation catalyst and process of polymerizing butadiene with such catalyst.
26.	115423	15-4-1968	Mitsubishi Steel Mfg. Co., No. 8, Ohtemachi, 2-chome, Chiyoda-ku, Tokyo, Japan.	Electrode with oxidation resistant protective layer.
27.	115457	16-4-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London N. W. 1, England.	Xerographic imaging and electrostatographic developer mixture therefor.
28.	115458	16-4-1968	— do —	— do —
29.	115465	16-4-1968	Toyo Katsui Industries, 10-2-banchi, 4-chome, Nihonbashi, Hongokuchō, Chōu-ku, Tokyo, Japan.	Composition for suppressing the nitrification of ammonium nitrogen in soil.
30.	115493	17-4-1968	Monsanto Co., 800, North Lindbergh Boulevard, St. Louis, Missouri-63166, U. S. A.	3'-(Carbomoyloxy) anilides and plant growth regulant compositions.
31.	115733	14-2-1968	American Cyanamid Co., Wayne, New Jersey, U. S. A.	α -Glycolide and polymers obtained from said α -glycolide.
32.	115757	6-5-1968	The Robert L. Strickman Foundation Inc. Valicenti Leighton Reid and Pique, of 70, Pine St., New York, State of New York, U. S. A.	Filter material.

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33.	115800	7-5-1968	Snam Progetti S.p.A., 16, Corso, Venezia, Milan, Italy.	Urea.
34.	116147	30-5-1968	English Clays Lovering Pochin & Company Ltd. John keay House, St. Austell, Cornwall, England.	Treatment of clay.
35.	116152	30-5-1968	General Refractories Co., 1520, Locust St., Philadelphia, State of Pennsylvania, U. S. A.	Basic magnesia containing refractory compositions.
36.	116197	3-6-1968	American Cyanamid Co., of Township of Wayne, State of New Jersey, U. S. A.	Nitration process for phenolic compounds.
37.	116210	3-6-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road London, N. W. 1., England.	Xerographic developing materials and toner images formed therewith.
38.	116258	6-6-1968	Swift & Co., 115, West Jackson Boulevard, Chicago Illinois U. S. A.	Soybean beverage preparation
39.	116318	11-6-1968	Foster Wheeler Corp., 110, South Orange Avenue, Livingston, New Jersey, U. S. A.	Ammonia production process.
40.	116332	12-6-1968	Central Glass Co. Ltd., 5253, Oaza, Okiube, Ube-shi, Yamaguchi-ken, Japan.	Stabilized 1, 1 1-trichloroethane composition.
41.	116351	13-6-1968	Xerox Corp., Rochester, New York-14603, U. S. A.	Dispensable reaction container for automatic chemical analysis.
42.	116517	26-6-1968	Institut Francais Du Petrole, 1 & 4, Avenue de Bois-Preau, 92, Rueil, Malmaison, France.	Catalysts particularly for hydro-cracking a hydrocarbon.
43.	116544	28-6-1968	Monsanto Co., 800, North Lindbergh Boulevard St., Louis Missouri, U. S. A.	Autogenously bonded linear polyamide article.
44.	116552	28-6-1968	Snam Progetti, S.p.A., 16, Corso, Venezia, Milan, Italy.	Urea.
45.	116611	2-7-1968	Sumitomo Electric Industries Ltd., No. 15, 5-chome, Kitahama, Higashi-ku, Osaka, Japan	Insulating varnish.
46.	116728	10-7-1968	Institut Francais Du Petrole, 1 & 4, Avenue de Bois Preau, 92, Rueil, Malmaison, France.	Process and apparatus for crystallization.
47.	116911	22-7-1968	The Larutan Corp., of 2301, North Akand St., Dallas, Texas, U. S. A.	Soil treatment composition.
48.	116968	27-7-1968	Snam Progetti, S.p.A., of 6, Corso, Venzia, Milan, Italy.	Urea.
49.	117045	1-8-1968	Nestor Diar Quijans, Lincoln 841 Castelar, Buenos, Aires, Argentina, South America.	Process for the ultra-low volume application of an agricultural liquid.
50.	117108	5-8-1968	Snam Progetti, S. p. A., of 16, Corso, Venezia, Milan, Italy	Ethylene oxide.
51.	117142	7-8-1968	Pullman Inc., of 200, South Michigan Avenue, Chicago, State of Illinois, U. S. A.	Vessel for fluid catalytic reactions.
52.	117193	9-8-1968	Snam Progetti S. p. A., of 16, Corso, Venezia, Milan, Italy	Vulcanisable amorphous olefinic terpolymers.
53.	117199	9-8-1968	Central Glass Company, Ltd., of 5253, Quaza Qkiube, Ulbe-shi, Yamaguchi-ken, Japan	Terpolymers of vinyl chloride propylene and third vinyl monomer.
54.	117218	1-9-1968	F. Hoffmann-La Roche & Co., of 124-184, Grenzacherstrasse, Basle, Switzerland.	Installation for multiple and automatic analysis.
55.	117226	12-8-1968	Teijin Ltd., of No. 1, Umeda, Kita-ku, Osaka, Japan	Process and apparatus for drying polyester particles.
56.	117232	12-8-1968	Amsted Industries Inc., of 3700, Prudential Plaza, Chicago, U. S. A.	Method for degassing iron-base melts.
57.	117329	19-8-1968	Monsanto Co., of 800, North Lindbergh Boulevard, St Louis, Missouri-63166, U. S. A.	Phytotoxic compositions.
58.	117350	20-8-1968	Central Glass Co., of 5253, Quaza Qkiube, Ulneshi, Yamaguchi-ken, Japan.	Polychlorinated ethanes and polychlorinated ethylenes.
59.	117353	20-8-1968	Institut Francais Du Petrole, Des Carburants Et Lubrifiants, of 1 & 4, Avenue de Bols Preau, 92, Rueil, Malmaison, France.	Nickel-allyl halogenoacetates, their manufacture and use as catalysts for the stereo-specific polymerisation of unsaturated organic compounds.
60.	117384	22-8-1968	Research Corp., of 405, Lexington Avenue, New York-17, State of New York, U. S. A.	Method of producing layer of olefinous material on the surface of a body of water to retard evaporation therefrom.
61.	117526	2-9-1968	Central Glass Company Ltd., of 5253, Quaza, Qkiube, Ulbe-shi, Yamaguchi-ken, Japan.	Process for producing mixed nitrates and nitrosyl chloride.

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62.	117634	10-9-1968	Toyo Koatsu Industries Inc., of 10, 2-banchi, 4-chome, Nihon-bashi, Hongokuchō, Chuo-ku, Tokyo, Japan.	Composition for suppressing the nitrification of ammonium nitrogen in soil.
63.	117941	7-10-1968	Norton Co., of New Bond St., Worcester-6, State of Massachusetts, U. S. A.	Abrasive crystalline material and manufacture thereof.
64.	117946	7-10-1968	F. Hoffmann-La Roche & Co., of 124-184, Grenzacherstrasse, Basle, Switzerland.	Method and apparatus for the liquid—liquid extraction.
65.	117956	26-7-1968	Glanzstoff, A. G., of 56, Wuppertal-Elberfeld, Heutzelwaling, Germany.	Method of producing bonded unwoven fibrous structures.
66.	118123	16-10-1968	American Cyanamid Co., of Wayne, New Jersey, U. S. A.	Lectide composition.
67.	118163	19-10-1967	The Metal Box Company Ltd., of 37, Baker St., London W. 1., England.	Improvements in carbon reacting apparatus.
68.	118268	24-10-1968	Institut Francais Du Petrole, 1 & 4, Avenue de Bois Preau, 92, Rueil, Malmaison (Hauts de Seine) France.	Improvements in or relating to process for treating petroleum cuts.
69.	118269	24-10-1968	— do —	Process for the manufacture of stabilized polymers and copolymers.
70.	118616	18-11-1968	— do —	Improved process for manufacturing catalyst.
71.	118710	23-11-1968	Teijin Ltd., No. 1, Umeda Kita-ku, Osaka, Japan	Acetate filaments of improved resistance to hydrothermal delustering and the process for preparation thereof.
72.	118749	26-11-1968	The F. & M. Schaefer Brewing Co., & another, 430, Kent Avenue, Brooklyn, St., of New York, U. S. A.	Method for preserving dilute sugar solutions.
73.	118826	2-12-1968	F. Hoffmann-La Roche & Co., Aktiengesellschaft, 124-184, Grenzacherstrasse, Basle, Switzerland.	Epoxy compounds and process for the manufacture thereof.
74.	118831	2-12-1968	Societa Italiana Resine S. I. R. S. p. A., 33, Via Grazioli, Milan, Italy.	Method of wet spinning acrylonitrile copolymers.
75.	118832	2-12-1968	— do —	Method of wet spinning acrylonitrile copolymers.
76.	118990	12-12-1968	Monsanto Co., 800, North Lindbergh Boulevard St., Louis, Missouri-63166, U. S. A.	Preparation of mercaptans and sulfides.
77.	119037	16-12-1968	Societa Italiana Resine S. I. R. S. p. A., 33, Via Grazioli, Milan, Italy.	Acrylonitrile polymerisates and method of preparing them.
78.	119109	20-6-1967	Institut Francais Du Petrole, 1 & 4, Avenue de Bois-Preau, 92, Rueil Malmaison (Hauts de Seine) France.	Process for oxidizing saturated hydrocarbons.
79.	119112	21-12-1968	Sven Algot Jad Liljendahl, Friperstagen-12, 17500, Jakobsbergh, Sweden.	A method for purifying water and apparatus therefor.
80.	119113	21-12-1968	The National Cash Register Co., Dayton, in the State of Ohio, U. S. A.	Treating nitrate capsule to reduce the permeability of the capsule walls.
81.	119217	31-12-1968	Commercial Solvents Corp., 245, Park Avenue, New York, New York-10017, U. S. A.	Process for preparing an explosive composition and explosive composition prepared thereby.
82.	119314	6-1-1969	The National Cash Register Co., Dayton, in the State of Ohio, U. S. A.	Polymorphic capsule and method for preparing the same.
83.	119526	24-7-1967	Monsanto Co., 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	N-(1-Alkenyl) ureas and process for their preparation.
84.	119527	24-7-1967	— do —	N-(1-cyclohexen-1-yl) ureas and process for their preparation.
85.	119587	28-1-1969	F. Hoffmann-La Roche & Co., 124-184, Grenzacherstrasse, Basle, Switzerland.	Dietary supplements and process.
86.	119624	30-1-1969	Rank Xerox Ltd, Rank Xerox House, 338, Euster, Road, London N. W. 1, England.	Xerographic plate and its uses in xerographic imaging process.
87.	119681	4-2-1969	Chemical Construction Corp., 320, Park Avenue, New York-22, State of New York, U. S. A.	Production of sulphur dioxide.
88.	119741	7-2-1969	Kumiai Chemical Industry Co. Ltd., No. 8, 2-chome, Ohtemachi, Chiyoda-ku, Tokyo, Japan.	Herbicidal compositions.

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89.	119770	21-11-1963	Grazzstoff A. G., 5500, Wuppertal Elberfeld, West Germany.	A process for improving the adhesive properties of artificial leather.
90.	119801	11-2-1969	Snam Progetta S. P. A., 16, Corso Venezia Milan, Italy.	Process for the catalytic hydrogenation of hydrocarbons for the production of high viscosity index lubricating oils.
91.	119830	13-2-1969	Sumitomo Chemical Co., Ltd., No. 15, Kitahama 5-chome, Higaseki, Osaka, Japan.	New reactive yellow monoazo dyes and their manufacture and use.
92.	119875	17-2-1969	Mitsui Toatsu Chemicals Inc., 2-5, Kasumigaseki-3-chome Chiyoda-ku, Tokyo-100, Japan.	Method for synthesizing urea.
93.	119891	18-2-1969	Chemical Construction Corp., 320, Park Avenue, New York-22, State of New York, U. S. A.	Production of sulphur containing from waste gases.
94.	119911	18-2-1969	Kureha Kagaku Kogyo Kabushiki Kaisha, No. 8, 1-chome, Horidome-cho, Nibanbashi, Chuo-ku, Tokyo, Japan.	Process for the production of hydrocarbon.
95.	120005	24-2-1969	S. C. M. Corp., of 299, Park Avenue, New York, U. S. A.	Process for preparing α -dialkyl laminoalkylene ethers compounds so prepared and compositions containing said compounds.
96.	120191	6-3-1969	Chemical Construction Corp., of 320, Park Avenue, New York-22, St. of New York, U.S.A.	Production of nitric acid.
97.	120239	10-3-1969	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U.S.A.	Process for electroplating plastics.
98.	120250	10-3-1969	Rank Xerox Ltd., Rank Xerox House, 338, Euston Rd., London N.W. 1, England.	A method of developing electrostatic latent image and apparatus therefor.
99.	120302	12-3-1969	American Cyanamid Co., of Wayne, New Jersey, U. S. A.	Improved process for bisurethanes.
100.	120485	21-3-1969	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London N.W. 1, England.	Xerographic development apparatus and process.
101.	120513	24-3-1969	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U.S.A.	Process for producing carbon black.
102.	120527	31-3-1969	Norton Co., of 1, New Bond St., Worcester, State of Massachusetts, U. S. A.	Abrasive products and manufacture thereof.
103.	120803	8-4-1969	Teijin Ltd., of No. 1, Umeda, Kita-ku, Osaka, Japan.	Method of collection of as produced synthetic fibre tow.
104.	120817	9-4-1969	Monsanto Co., 800, North Lindbergh Boulevard St. Louis, Missouri, U.S.A.	Process for mutually bonding synthetic linear polymeric articles.
105.	121011	21-4-1969	Chemical Construction Corp., of 320, Park Avenue, New York-22, St. of New York, U.S.A.	A process for achieving a controlled composition of off gases from basic oxygen furnace converters.
106.	121117	29-4-1969	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U.S.A.	Process for making carbon black.
107.	121149	22-11-1967	L. Givaudan & Cie Societa Anonyme, of Vernier-Geneve, Switzerland.	Process for the manufacture of terpene derivatives.
108.	121221	7-5-1969	Institut Francais Du Petrole, Des Carburants et Lubrifiants, of 1 & 4, Avenue de Bois-Preau, 92, Rueil-Malmaison (Hauts de seine), France.	Process for separating yeast from a fermentation wort.
109.	121329	14-5-1969	Institut Francais Du Petrole Des Carburants et Lubrifiants of 1 & 4, Avenue de Bois-Preau, 92, Rueil.	Improved process for the production of protein by the cultivation of micro-organism.
110.	121417	20-5-1969	S. C. M. Corp. of 299 Park Avenue New York State of New York U. S. A.	Herbicide composition.
111.	121558	28-5-1969	Sumitomo Chemical Company Ltd. of No. 15 5-chome Kitahama, Higashiki Osaka, Japan.	A slurry explosive composition and a method of preparing the same.
112.	121670	5-6-1969	Ajinomoto Company Inc. of No. 7 1-chome Takaracho Chou-ku Tokyo, Japan.	Process for producing enriched artificial rice.

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113.	121692	2-12-1967	Nihon Tokushu Xoyaku Seizo Kabushiki Kaisha Farben-fabriken Bayer Aktiengesellschaft, of 2-8, Nihonbashi-Muromachi Chuo-ku Tokyo, Japan and Reverkussen Federal Republic of Germany.	Agricultural and horticultural fungicide containing organic phosphours and esters.
114.	122028	27-6-1969	Intermountain Research & Engg. Co. 3000 West 8600, South, West Jordan Utah-84084 U. S. A.	Blasting slurries containing highly cross-linked thickeners.
115.	122095	3-7-1969	Ajinomoto Company Inc. No. 7 1-chome- Takaracho- Chuo-ku, Tokyo, Japan.	Process for producing artificial rice with enriching materials.
116.	122362	21-7-1969	Atlantic Richfield Company, Corning Glass Bldg., 717, Fifth Avenue, New York, State of New York, U. S.A.	Picdution of alkyl aromatics.
117.	122380	21-7-1969	Standard Spray & Chemical Co., 1405, west Olive St., Lakeland, Florida-33802, U. S. A.	Composition comprising calcium-containing compounds.
118.	122400	23-7-1969	Kurashiki Rayon Company Ltd., 1621, Sakazu, Kurashiki City, Okayama, Prefecture, Japan.	Process for producing polyvinyl alcohol filaments.
119.	122739	12-8-1969	Toho Beston Company Ltd., No. 6, 3-chome, Nihonbashi, Chuo-ku, Tokyo, Japan.	Method for production of acrylic composite fiber and shaped articles produced Therefrom.
120.	122907	26-8-1969	Phillips Petroleum Co, Bartlesville, State of Oklahoma, U. S. A.	Carbon black drying.
121.	122908	26-8-1969	Atlantic Richfield Co., Corning Glass Building, 717, Fifth Avenue, New York, State of New York, U. S. A.	Method of removing chlorine from chlorine containing hydrogen chloride gas stream.
122.	122947	28-8-1969	Dalichi Seiyaku Company Ltd., No. 1-2, 3-chome, Edobashi, Nihonbashi, Chou-ku, Tokyo, Japan.	Method of preparing comenic acid and derivatives thereof.
123.	122979	1-9-1969	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Control of carbon black quality.
124.	122990	1-9-1969	Institut Francais Du Petrole, 1 et 4, Avenue de Bois Preau, 92, Rueil Malmaison (Hauts de Seine) France.	Improved process for growing algae and apparatus therefor.
125.	122991	10-7-1969	Glanzstoff A. G., Glanzstoff Hans, 56, Wuppertal, Elberfeld, West Germany.	Process for the production of polyurethanes.
126.	123146	15-9-1969	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Carbon black reactor.
127.	123263	23-9-1969	Institut Francais Du Petrole, 1 et 4, Avenue de Bois-Preau, 92, Rueil-Malmaison (Hauts-de-Seine), France.	New organic compounds of the transition metals, their manufacture and uses particularly as polymerization catalysts.
128.	123556	14-10-1969	Quigley Company Inc., 235, East 42nd Street, New York, State of New York, U. S. A.	A process for producing substantially pure dead burned magnesia having high density and low porosity.
129.	123569	14-10-1969	Mitsui Toatsu Chemicals Inc., and another, 2-5, Kasumigascki, 3-chome Chiyoda-ku, Tokyo, Japan.	Mixed herbicide composition.
130.	123693	23-10-1969	Sumitomo Chemical Company Ltd., Co. 15, 5-chome, Kitahama Higashi-ku, Osaka, Japan.	[A slurry explosive.
131.	123748	28-10-1969	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Carbon black producing process and product.
132.	123808	30-10-1969	Monsanto Co., 800, North Boulevard, St Louis, Missouri-63166, U. S. A.	An agricultural composition for modifying the sequential development of plants comprising nitro compounds.
133.	123813	30-10-1969	Institut Francais Du Petrole, 1 & 4, Avenue de Bois-Preau, 92, Rueil Malmaison (Hauts-de-Seine), France.	Process for regenerating catalyst used for hydro-treating hydro-carbons.
134.	124089	19-11-1969	Chemical Construction Corp., 320, Park Avenue, New York, State of New York, U. S. A.	A catalytic reformer for reforming fluid hydrocarbons.
135.	124107	20-11-1969	Universal Propulsion Co., 3400, Pyrite St., Riverside, State of California, U. S. A.	Heat protective material and method of making the material.

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136.	124140	24-11-1970	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Resinous branched copolymers, process for their preparation and articles containing said polymers.
137.	124261	24- 9-1969	Glanzstoff A. G., 5600, Wuppertal-Elberfeld, W. Germany.	Process for the production of artificial leather.
138.	124322	5-12-1969	Atlas Chemical Industries Inc., New Murphy Road and Concord Pike, Wilmington, State of Delaware, U. S. A.	Aqueous gels of water soluble polymers, process for the preparation thereof and method of the recovery of polymerisation of such gels.
139.	124439	15-12-1969	Teijin Ltd., No. 1, Umeda, Kita-ku, Osaka, Japan.	Process for obtaining purified caprolactam by the purification of oligomer containing impure epsilon-caprolactam.
140.	124450	16-12-1969	A/S Chiminova, 17620, Lemrig, Denmark.	Organic thiophosphate products.
141.	124527	30-12-1969	Raymond Machon & others, Allee des Murier Saint-Just-Sur-Loire, Loire, France.	Composition for scouring natural silk and textile fibres, method to its preparation and its application.
142.	124545	22-12-1969	Snani Progetti, S. p. A., 16, Corso Venezia, Milan Italy.	Improvements in or relating to the production of urea.
143.	124607	27-12-1969	Monsanto Company, of 803, North Lindbergh Boulevard, St. Louis, Missouri-63166, U. S. A.	Reinforced polyamide composition and process of preparation thereof.
144.	124663	4-4-1968	— do	Catalyst composition for use in the transformation of reactants and process for manufacturing same.
145.	124682	2-1-1970	Veb Filmfabrik Wolfen, 444, Wolfen-1, East Germany.	Photopolymerisable lacquer of increased light sensitivity.
146.	124707	3-1-1970	F. Hoffmann-La Roche & Co. Aktiengesellschaft, Gvenza-cherstrasse, 124-184, Basle, Switzerland.	Process for preparing methylenedioxy-benzoyloxy and Phenoxy ethers of short chain terperioid derivatives and their corresponding epoxides and agricultural compositions containing the same.
147.	124741	14-1-1969	Laporte Industries Ltd., Hanover House, 14, Hanover Square London W1R 0BE, England.	Improvements in and relating to the treatment of pigments.
148.	124747	7-1-1970	Norton Co., 1, New Bond St., Worcester, State of Massachusetts, U. S. A.	Particulate abrasive.
149.	124749	17-1-1969	Laporte Industries Ltd., Hanover House, 14, Hanover Sq., London W1R 0BE, England.	Improvements in and relating to fluidised bedreactors.
150.	124775	1-11-1968	L. Givaudan & Cie Societe Anonyme Verniers-Geneva Switzerland.	Perfumed compositions.
151.	124946	20-1-1970	Grain Process Corp., 1600 Oregon St. Muscatine, Iowa-52761 U. S. A.	Recovery of protein from a protein containing material.
152.	125054	24-10-1968	Institut Francais Du Petrole Des Carburants Et Lubrifiants 194, Avenue de Bois-Preau, 92 Rueil Malmaison (Hauts de Seine) France.	Process for hucleinizing polymers of saturated cyclic ethers.
153.	125067	30-1-1970	Teijin Ltd. No. 1 Umeda Kita-ku, Osaka Japan.	Drawing process of polyester filaments.
154.	125078	12-12-1969	Glanzstoff Aktiengesellschaft, 5600, Wuppertal Elberfeld West Germany.	Process for the preparation of trichloromethane sulphenyl chloride.
155.	125177	6-2-1970	Ishihava Sangyo Kaisha Ltd. No. 11-1 Edoborikemidori-1-chome Nishi-ku Osaka Japan.	A process for the production of a titanium dioxide concentrate.
156.	125201	9-2-1970	Roche Ramchand Parse Dasani Bhatia Bldg., 87 Rantac Rd. Shivaji Park, Dadar, Bombay-28.	Improvements in or relating processing of collapsible plastic bags.
157.	125334	6-3-1969	Haldov Frederik Axel Topsøe, Frydenlundsvej, Vedback Denmark.	High-temperature water-gas shift reactions catalysts and process for their preparation.

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158.	125381	20-2-1970	Monsanto Co., 800 North Lindbergh woulevard St., Louis Missouri-63166 U. S. A.	Grass selective herbicide compositions.
159.	125842	21- 3-1970	Stamicarbon N. V. Vander, Maesenstroat-2 Heerlen, The Netherlands.	Method for the continuous preparation of polymer.
160.	125857	24-3-1970	Josef Moelssner, 5, Koln-Beyenthal Beyenthalgurtel 16-20, Post fach-76 Federal Republic of Germany.	Process for the separation of an emulsion.
161.	125988	30-3-1970	Monsanto Co. 800, North Lindbergh Boulevard St. Louis Missouri-63166 U. S. A.	Isopropylideneacetalol salt of p-nitro benzene sulfonyl urea and herbicidal compositions containing the same.
162.	125991	30-3-1970	Snam Progetti S. p. A., 16, Corso Venezia Milan Italy.	Purification of urea solutions.
163.	126068	20-4-1972	M/s. Karamchand Premchand Pvt., Ltd. of Post Box-28, Ahmedabad, Gujarat State, India.	Process for the preparation of anilazolinone derivatives.
164.	126152	10-4-1970	Societa Italiana Resine S. l. R. S. p. A., 33, Via Grioli Milan, Italy.	Multiple effect fish evaporator for desalination of sea and other water.
165.	126153	10-4-1970	— do —	—do—
166.	126154	10-4-1970	— do —	—do—
167.	126175	28-1-1970	Glanzstoff A. G., 5600, Wuppertal-Elberfeld, W. Germany.	Non-woven textile sheetings.
168.	126237	17-4-1970	Swift & Co., 115, West Jackson Boulevard, Chicago, Illinois-60604, U. S. A.	Urea-proteinaceous animal feed stuff.
169.	126238	17-4-1970	— do —	Process for vegetable protein recovery.
170.	126253	18-4-1970	Mitsui Toatsu Chemicals Inc., 2-5 Kasumigaseki, 3-chome, Chiyoda-ku Tokyo-100 J a p a n.	Vat dyestuffs.
171.	126258	18-4-1970	Swift & Co., 115, West Jackson Boulevard, Chicago, Illinois-60604, U. S. A.	Flavoured protein foods.
172.	126495	4-5-1970	Guntur Wunderlich, Bottrop, Strekrader, str., 37, West Germany.	Treatment of decarboxifier vapours of industrial gases.
173.	126496	4-5-1970	— do —	Elimination of ammonia present in coke-oven gases.
174.	126850	28-5-1970	Kolomensky Zavop Tyazhelogo Stankostroecia, Kolomno Moskorskol Oldost, U. S. A.	Device for preparation of a liquid self solidifying mixture pouring it into moulds.
175.	126609	11-5-1970	Guntur Wunderlich, Bottrop, Sterkrader, Str., 37, West Germany.	Treatment of hydrogen sulphide and ammonia.
76.	126626	12-5-1970	American Cyanamid Co., Wayne, New Jersey, U. S. A.	Absorbable polyglycolic acid filaments useful as suture of enhanced in vivostrength retention and method and apparatus for preparing same.
177.	126797	25-5-1970	Sherico Ltd., of Topperstrasse, Lucerne, Switzerland.	Denture adhesive compositions.
178.	126800	25-5-1970	Snam Progetti S. p. A. 16. Corso Venezia Milan, Italy.	Urea.
179.	126871	30-5-1970	Hindustan Lever Ltd., Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-1, India.	Toilet bar containing a polyethyleneoxide quaternary ammonium compound.
180.	126882	1-6-1970	American Cyanamid Co., Township of Wayne, State of New Jersey, U. S. A.	Storage stable package for absorbable polyglycolic acid sutures and process for preparing same.
181.	126932	3-6-1970	Albright & Wilson Ltd. Oldbury near Birmingham Warwickshire. E n g l a n d.	Chemising ferrous metal substrates.
182.	126951	5-6-1970	Hindustan Lever Ltd., Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-1, India.	Perfume composition.
183.	126971	6-6-1970	Imperial Chemical Industries Ltd. of Imperial Chemical House, Millbank, London S. W. 1, E n g l a n d.	Polymeric shaped articles and preparation thereof.
184.	127274	26-6-1970	— do —	Process for improving the adhesion of polyolefin surfaces and articles derived from them.

1	2	3	4	5
185.	127317	29-6-1970	Anatoly Gavrilovich Amelin and others, Lininsky Prospekt, 41, KV 10, Moscow, U. S. S. R.	Gas oxidation contact apparatus.
186.	127492	10-7-1970	Wilhelm Schellharrer, of 581 Witten Grengeldenzstr, 85a, German Federal Republic.	Process and device for vulcanisation of prevulcanised tires or rings with normal or higher profiles.
187.	127519	13-7-1970	VEB Chemierlagenben Leipzig of 7024 Leipzig, Torgauer, Str. 65, German Democratic Republic.	Polyester.
188.	127572	15-5-1970	Glanzstoff A. G. 5600 Wuppertal-Elberfeld W. Germany.	Trichloromethane thiosulphanyl chloride and process for the preparation thereof.
189.	127626	20-7-1970	Snam Progetti S. p. A. Corso Venezia-16 Milan, Italy.	Process for the extraction of aromatic hydrocarbons.
190.	127633	21-7-1970	The Goodyear Tire & Rubber Co., 1144, East Market St., Akron, Ohio, U. S. A.	Tire having polyurethane laminate thereon.
191.	127646	21-7-1970	Snam Progetti S. p. A., Corso, Venezia-16, Milan Italy.	Separation of conjugated diolefine from mixture containing the same.
192.	127730	27-7-1970	East men Kodak Co., of 343, State St., Rochester, New York-14650, U. S. A.	A method of fogging unevassed photographic silver halide and a photographic silver halide fogging composition.
193.	127838	3-8-1970	Chemical Construction Corp., of 320, Park Avenue, New York U. S. A.	Process for steam reforming of hydrocarbon.
194.	127848	3-8-1970	U. B. E. Industries Ltd., of 12-32, 1-cheme, Nishikomachi, Ube-shi, Yamaguchi-ken.	Process for purifying adiponitrile.
195.	128111	20-8-1970	A. B. Ehnberg & Sons Lidafabrik of Smihus, Sweden	A form stabilised non-woven lather-like steel, containing synthetic fibres and method of making the same.
196.	128185	26-8-1970	Universal Oil Products Co., of No. 30, Algonquin Rd., Des Plaines, State of Illinois, U. S. A.	Method for dehydrogenating a hydrocarbon.
197.	128255	1-9-1970	Sun Research & Development Co., of 1608, Walnut St., of Philadelphia, Common wealth of Pennsylvania.	St. Oxidation of hydro-Carbons
198.	128304	5-9-1970	Conch International Methane Ltd., Columbus House, Shirley St., Nassau, The Bahamas.	In-ground storage arrangement for liquefied gases.
199.	128324	8-9-1970	Dorr-Oliver Inc., 77, Havemeyer Lane, Stamford, Connecticut, U. S. A.	Method for the setting of scale forming suspensions such as those of red mud in alumina corp.
200.	128343	8-9-1970	Hermann Papst, -of Karl-Maier-strasse-1, St., Georgen, Schwar 2-Wald, Federal Republic of Germany.	A hollow body transporting utility gases.
201.	128386	11-9-1970	Tedeco Textile Development Co., of St., Olavs gate, 12-B, Oslo-1, Norway.	Apparatus for treatment of fabrics with liquid ammonia.
202.	128392	11-9-1970	Monsanto Co., of 800, North Lindbergh Boulevard, St. Louis, Missouri-63166, U. S. A.	Gastropodicidal composition nitrosalicylanilide derivatives and sodium pentachlorophenate.
203.	128447	16-9-1970	Conch International Methane Ltd., Columbus House, Shirley St., Nassau, The Bahamas.	Storage arrangement for liquefied gases.
204.	128448	16-9-1970	Linden Alimak AB., of 931, 03 Skelleftea-3, Sweden.	Improvements in methods for mining in barren rocks or bodies.
205.	128461	17-9-1970	Pullman Inc., of 20, South Michigan Avenue, Chicago, State of Illinois, U. S. A.	Urea synthesis process.
206.	128462	17-9-1970	Fried Krupp G. m. b. H., of 3, Essen Altudersfur, strasse, 103, Federal Republic of Germany.	P-xylene.
207.	128508	21-9-1970	Phillips Petroleum Co., of Bartlesville, State of Oklahoma, U. S. A.	Carbon black.

1	2	3	4	5
208.	128544	22-9-1970	Nils Anders Lennart Wikdahl, of 42, Bravallavagen-182, 64, Djursholm, Sweden.	Apparatus for separating gaseous or liquid mixtures or suspensions.
209.	128605	26-9-1970	Kobe Steel Ltd., of No. 1, 36-1, Wakihamacho, Fukiai-ku, Kobe-shi, Hyogo-ku, Japan.	Removal of hydrogen sulfide by means of oxidative lignine and preparation of oxidative legnin.
210.	128734	24-2-1969	S. C. M. Corp., of 299, Park Avenue, New York, State of New York, U. S. A.	P-hydroxy ethoxy camphanes.
211.	128763	12-10-1970	Sumitomo Chemical Company Ltd., 15, Kitahama-3-chome Higashiki, Osaka, Japan.	Amidolhoid phosphoric
212.	128889	19-10-1970	Kobe Steel Ltd., of No. 36-1, Wakihamacho, 1-chome Fukiai-ku, Kobe-shi, Hyogo-ken, Japan.	Method of producing the gaseous and liquefied nitrogen.
213.	128902	20-10-1970	Lone Star Steel Co., of 22004, Mockingbird Lane, at Wuper, Dallas, Texas-75235, U. S. A.	Thermodynamic cyclone separator.
214.	128971	23-10-1971	Monsanto Co., of 800, North Lindbergh Boulevard St. Louis, Missouri-63166, U. S. A.	Anhydrous dicalcium phosphate process for its manufacture and dentrifice composition containing the same.
215.	129118	4-11-1970	Kuraray Company Ltd., of 1621, Sakazu, Kurashiki City, Japan.	Polyvinyl alcohol fibre having excellent properties at high temperature and radial plytyre comprises of the same.
216.	129150	9-11-1970	Hindustan Lever Ltd., of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-1, India	Soap tablet production.
217.	129532	1-10-1971	Ryutaro Yozitomi, 5-17-12, Koishikawa, Bunkyo-ku, Tokyo, Japan.	Apparatus for continuous dehydration.
218.	129914	12-1-1971	Mitsui Toatsu Chemicals Inc., of 2-5, Kasumigasaki, 3-chome, Chiyoda-ku, Tokyo-100, Japan.	Shaped urea.
219.	130141	2-2-1971	Nippon Kokan Kabushiki Kaisha, 1-3, 1-chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Method of blowing such fluid as reducing gas into a furnace and baring apparatus for use therein.
220.	130631	18-3-1971	Metallgesellschaft A. G., and another, 6, Franktwitam Mam Reuterweg-14, West Germany.	Process for removing hydrogen-fluoride.
221.	131032	19-4-1971	Aktinbinsky Zavod Khromovyykh Soediny, Kazakhskaya S. S. R. Aktjubinsk, U. S. S. R.	Continuous process for production of chromic anhydride.
222.	131394	18-5-1971	Stamlicarbon N. V. Vander Meesenstraat-2, Heerlen, The Netherlands.	Process for the recovery of acrylonitrile from aqueous solutions.
223.	131416	19-5-1971	Bayer Aktiengesellschaft, Leverkusen, Federal Republic of Germany.	Apparatus for drying rubber masses.
224.	133044	24-9-1971	Siemens Aktiengesellschaft, Berlin and Munich, West Germany	Polarisation modulated radiation and receivers thereof.

PATENTS DEEMED TO BE ENDORSED WITH THE WORD "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the cresent brackets are the dates of the patents.

No.	Title of the invention	
122850 (20-8-69)	New water-soluble monoazo dyestuffs, process for their manufacture textile and leather materials dyed therewith.	
122893 (25-8-69)	Process for preparing ethylene glycol esters and production of vinyl acetate from such esters.	
123566 (14-10-69)	Plant growth stimulating solution and process for preparing the same.	
123677 (23-10-69)	New water-soluble monoazo dyestuffs, process for preparing them and textile materials dyed, printed and coloured therewith.	
124203 (27-11-69)	Preparation of N-(hydroxy)-thioacylimidates from ketones.	
124432 (15-12-69)	Copolyrolysis of coal and heavy carbonaceous residue.	

1	2	3	4	5
124454	(20-12-68)	Improved method for effecting the cross-linking of a polyolefin and the product so obtained.		
124527	(20-12-69)	Composition for scouring natural silk and textile fibres, method for its preparation and the application.		
124941	(20-1-70)	Process for the manufacture of carbon tetrachloride.		
125278	(13-2-70)	Stabilized polymer composition and vulcanizates produced therefrom and a process for producing and vulcanizates.		
125279	(13-2-70)	Cis-1, 4 polymers of butadiene and process for their preparation.		
125702	(12-3-70)	Method of preparing a vanadium catalyst.		
126311	(22-4-70)	Herbicides consisting of N-substituted haloanilides and anoxadiazolidine dione, and process for preparing them.		
125315	(22-4-70)	Improvements in or relating to the process of converting arsenic trioxide into arsenic pentoxide.		
126509	(5-5-70)	Process for freeing 55-85% sulphuric acid from its impurities due to metals and/or semi-metals.		
125735	(19-5-70)	A process for producing a metal-containing alkykenebisdithiocarbamate alkanolamine complex compounds.		
133542	(15-12-69)	Allyl chromium catalyst and process for preparing the same.		

RENEWAL FEES PAID

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79820 79835 79885 79899 79912 79988 80043 80044 80124
80160 80985 81267 83255 83669 85213 85260 85274 85303
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85594 85628 85633 85641 85683 85693 85697 85710 85751
85753 85754 85775 85810 85920 86036 86044 86085 86139
86658 86659 87256 88862 90720 90721 90875 90892 90899
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118609 118637 118663 118678 118794 118798 118826 118838
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118976 119026 119056 119079 119080 119111 119112 119167
118168 119210 119211 119215 119216 119269 119296 119404
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124103 124114 124138 124189 124190 124323 124330 124357
124358 124384 124395 124425 124454 124518 124545 124560
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127150 127544 127847 127970 128511 128609 128844 128873
128896 129082 129112 129140 129150 129165 129200 129201
129202 129288 129305 129325 129347 129380 139392 129396
129398 129407 129443 129460 129529 129531 129567 129569
129579 129607 129612 129638 129770 129777 129782 129810
129871 130083 130275 130842 131001 132108 132310 132636
132764 133097 133284 133339 133386 133428 133470 133496
133497 133513 133526 133589 133641 133652 133662 133667
133674 133685 133705 133706 133718 133741 133742 133761
133767 133774 133820 133825 133838 133839 133852 133857
133881 133883 133884 133901 133940 133952 133956 133958
133985 133992 134013 134092 134102 134135 134148 134213
134220 134254 134342 134416 134429 134538 134735 134765
134854 134880 135055 135324 135395 135396 135424 135503
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123802 126398 126420 126436 126459 126490 126492 126493
126499 126504 126519 126531 126536 126569 126581 126585
126599 126616 126643 126656 126660 126663 126667 126672
126685 126694 126695 126726 126734 126740 126741 126781
126817 126822 126853 126862 126865 126869 126875 126916
126917 126918 126919 126920 126921 126922 126924 126926
126931 126980 126984 126996 127016 127019 127020 127027
127053 127061 127081 127084 127101 127126 127128 127136
127137 127138 127147 127148 127176 127180 127181 127189
127206 127221 127235 127244 127257 127265 127276 127278
127286 127291 127295 127298 127300 127314 127316 127318
127320 127328 127330 127335 127336 127339 127341 127351
127362 127387 127392 127408 127423 127425 127435 127440
127445 127456 127458 134806.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 141816. Mrs. Etty Kathleen Nette, 44-A, St. Andrews Road, Bandra, Bombay-400050, Maharashtra, India, An Indian Citizen. Electrodes for primary wet cells. April 11, 1974.
- Class 1. No. 141830. Ravindra Baburao Marathe, Industrial Estate, Miraj, District Sangli, Maharashtra, India. An Indian Citizen Proprietor of Marathe Engineering Industries, Supari Betel-Nut Slicer. neering Industries. Supari Betel-Nut Slicer. April 16, 1974.
- Class 1. No. 141914. Unique Enterprises. 501, Janmabhoomi Chambers, Walchand Hirachand Marg, Fort, Bombay-400001, Maharashtra State, India. An Indian Partnership Firm. Cuff Link, June 1, 1974.
- Class 1. Nos. 141934 to 141936. MEK Engineering Works Private Limited. Eldes Chambers, 3, Broach Street, Bombay-400009, Maharashtra State, India. A private Limited Company incorporated under the Indian Companies Act, Slotted Angle. June 11, 1974.
- Class 1. No. 141949. Surendra Naraharibhai Patel, 15, Parishram Society, Subhanpura, City of Baroda, State of Gujarat, India. An Indian National. Stand for gramophone and other sound records. June 21, 1974.
- Class 1. No. 141964. Micro Engineering Company. 12, Anupam Industrial Estate No. 3, Opposite Ralliwolf, Lal Bahadur Shastri Marg, Mulund, Bombay-80, Maharashtra. An Indian Proprietary Firm, Burner. June 27, 1974.
- Class 1. No. 141969. Kaycee Industries Limited. Kamini Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India. A Company incorporated in India. Terminal for Electrical Switches. June 28, 1974.
- Class 1. No. 142033. Bombay Ring Travellers Company Limited, Neville House, Graham Road, Ballard Estate, Bombay-400038, Maharashtra State, Public Ltd. Co., Registered in India. Spinning Rings. July 16, 1974.
- Class 1. No. 142038. Bhogilal Hiralal Bachkaniwala. Hiralal Colony. Ashwanikumar Road, Surat-395003, Gujarat, Indian, An Indian Citizen. Spindle holder. July 18, 1974.
- Class 1. No. 142040. Bhogilal Hiralal Bachkaniwala, Hiralal Colony, Ashwanikumar Road, Surat-395003, Gujarat, India. An Indian Citizen. Top Cover for brake of up-twisting spindle assembly. July 18, 1974.
- Class 1. Nos. 142074 & 142076. Jayna Time Industries (P) Ltd., 7/32, Darya Ganj, Delhi. An Indian Company, incorporated under the Indian Companies Act. Clocks. July 22, 1974.
- Class 1. No. 142075. Jayna Time Industries (P), Ltd., 7/32, Darya Ganj, Delhi. An Indian Company, incorporated under the Indian Companies Act. Time-pieces. July 22, 1974.
- Class 1. No. 142082. Racold Appliances Pvt. Ltd. Bombay-Poona Road, Pimpri, Poona 411018, Maharashtra State, India. A company incorporated in India. Toaster (Electric). July 23, 1974.
- Class 1. No. 142106. Navroze Jamshad Wadia, of Dinath Court, 71, Pochkhanawala Road, Worli, Bombay 25, Maharashtra, India. An Indian Citizen. Vehicle. July 30, 1974.
- Class 1. No. 142118. Mohini Plastic Moulders, 2/A, Gopal Chandra Lane Calcutta-12, West Bengal, An Indian Proprietorship Concern. Baby Walker. August 2, 1974.
- Class 1. No. 142142. Raman Bhasin, of Blesington House, Kanke Road, Ranchi, Bihar, India. An Indian National. Cycle Rickshaw. August 16, 1974.
- Class 1. No. 142153. New Al-one Process, 2, Udyog Nagar, Plot No. 221, Road No. E-2, Udhna, District Surat, Gujarat State, India. An Indian Partnership Firm. Harrow. August 20, 1974.
- Class 1. No. 142177. Karnail Singh, 1/10-A-1-C, Sham Block, Kailash Nagar, Delhi 31. An Indian national. Loud speaker. August 26, 1974.
- Class 3. No. 141800. Jagdish Chandra Rewrie (formerly of 17 North Olm) 5, North Olm, Edgware, Middlesex, England, A British Subject. Calendar. October 5, 1973 (U.K.).
- Class 3. No. 141811. Ashok Traders, 129/C, Govt. Industrial Estate, Charkop, Kandivli (West), Bombay-67, Maharashtra State, India. An Indian Proprietary Firm. Container. April 8, 1974.
- Class 3. No. 141836. Bhupinder Nath Setia; Vidya Wanti; and Atul Kumar, Eastern Traders, B-48, Naraina Industrial Area, Phase II, New Delhi-110028, Indian Nationals. Shinguards. April 18, 1974.
- Class 3. No. 141850. Bombay Burma Plastics, Green House, 2nd Floor, Green Street, Bombay-400001, Maharashtra, India. An Indian Partnership Firm Toy. April 20, 1974.
- Class 3. No. 141857. Basant Industries, B-1/4, Rajouri Garden, New Delhi-110027, India. An Indian proprietary concern. Base for starter. April 27, 1974.
- Class 3. No. 141858. Basant Industries, B-1/4, Rajouri Garden, New Delhi-110027, India. Indian Proprietary concern. Tube Lampholder. April 27, 1974.
- Class 3. No. 141861. Bombay Burma Plastics. Green House, 2nd Floor, Green Street, Bombay-400001, Maharashtra, India. An Indian Partnership Firm. Ice Pail. April 29, 1974.
- Class 3. No. 141916. Marvel, 27, Picket Cross Road, Bombay-2, Maharashtra State, India. An Indian Partnership Firm. Ball Pen. June 1, 1974.
- Class 3. No. 141917. Marvel. 27, Picket Cross Road, Bombay-2, Maharashtra State, India. An Indian Partnership Firm. Penstand. June 1, 1974.
- Class 3. No. 141923. Rajpal Plastic Industries, 303 Neelkanth, 98, Marine Drive, Bombay-2, Maharashtra State, India. An Indian Partnership Firm. Brush, June 4, 1974.
- Class 3. No. 141930. Adgifts India, 3/23, Kamal Mansion, Arthur Bunder Road, Colaba, Bombay-5, Maharashtra State, India. An Indian Partnership Firm. Paper Cutter. June 10, 1974.
- Class 3. No. 141939. AB Svenska Flaktfabriken, Sickla Alle 1, Nacka Fack, 10460 Stockholm, Sweden. A joint Stock Company duly organised under the laws of Sweden. A sheet for use in cooling towers, air conditioning apparatuses, etc. June 14, 1974.
- Class 3. No. 141942. Dr. Sio Pway Khee, 1A, S. N. Banerjee Road, Calcutta-13, West Bengal, India. Chinese origin, under the process of India naturalisation. Half-boiled egg opener. June 17, 1974.
- Class 3. No. 141976. Organo Chemical Industries, 62-L, Block, Connaught Circus, New Delhi-1, An Indian partnership firm. Rubber Rollers. June 29, 1974.

Class 3. No. 141992. Geoffrey Manners & Company Limited, Magnet House, Narottam Morarjee Marg, Ballard Estate, Bombay-1, State of Maharashtra, India. A company incorporated in India. Bottles. July 1, 1974.

Class 3. No. 141994. Sanjay Industries, Unit No. 12, 3rd Floor, 9, Udyog Nagar, S. V. Road, Goregaon (West), Bombay-400062, Maharashtra, An Indian Sole Proprietary Firm. Tray. July 2, 1974.

Class 3. No. 141995. Sanjay Industries, Unit No. 12, 3rd Floor, 9, Udyog Nagar, S. V. Road, Goregaon (West), Bombay-400062, Maharashtra, An Indian Sole Proprietary firm. Stand with Calender system with ball pen. July 2nd 1974.

Class 3. No. 141996. Sanjay Industries, Unit No. 12, 3rd Floor, 9, Udyog Nagar, S. V. Road, Goregaon (West), Bombay 400062, Maharashtra, An Indian Sole Proprietary firm. Rotating Ball Pen stand with ball pen. July 2, 1974.

Class 3. No. 141997. Sanjay Industries, Unit No. 12, 3rd Floor, 9, Udyog Nagar, S. V. Road, Goregaon (West), Bombay-400062, Maharashtra, An Indian Sole Proprietary Firm. Ball Pen-cum-cutter. July 2, 1974.

Class 3. No. 141998. Sanjay Industries, Unit No. 12, 3rd Floor, 9, Udyog Nagar, S. V. Road, Goregaon (West), Bombay-400062, Maharashtra, An Indian Sole Proprietary firm, Paper Weight. July 2, 1974.

Class 3. No. 142010. N. V. Philips Gloeilampenfabrieken. Emmasingel 29, Eindhoven. The Netherlands, A corporation organized and existing under the laws of the Kingdom of the Netherlands. A portable radio. January 4, 1974 (U.K.).

Class 3. No. 142037. Aquacare Private Limited, 64, Regal Building, Connaught Circus, New Delhi-110001, India. A Company incorporated in India, Sealing rings. July 17, 1974.

Class 3. Nos. 142091 to 142099. Plastica, 94 Vithalwadi Kalbadevi Road, Bombay-2, Maharashtra State. An Indian Partnership Concern. A Comb. July 26, 1974.

Class 3. No. 142102. Mahendrabhai Nanubhai Mistry, 2/4646, Thoba Street, Segrampura, Surat-1, Gujarat State, India. An Indian National. Cover Glass for Watch. July 27, 1974.

Class 3. No. 142113. Murphy India Limited, 29, Mama Parmanand Marg (New Queen's Road), Bombay-400004, State of Maharashtra, India. An Indian Company existing under the companies Act 1956, A radio-cum-transistor case. August 1, 1974.

Class 3. No. 142124. Dunlop Limited, Dunlop House, Ryder Street, St. Jame's, London S. W. 1, England. A British Company. Tyre for a vehicle wheel. February 6, 1974. (U.K.).

Class 3. No. 142131. Pharma Plastic Packaging Industries, Ranoli, District Baroda, Gujarat State, India. An Indian Partnership Firm. Clip. August 12, 1974.

Class 3. No. 142148 and 142149. Helix Latex Industries, C/11/6, Ashiana-i-Iqbal, Model Town, Delhi 9, An Indian Partnership Firm. Baby Soothers. August 19, 1974.

Class 3. No. 142196. Colgate-Palmolive Company, United States of America, 300, Park Avenue, New York, New York 10022, United States of America. A corporation organized and existing under the laws of the State of Delaware, Plastic Film. August 28, 1974.

Class 4. No. 141924. Manohar Industries, Nanded. (Maharashtra), An Indian Partnership Concern. Side wall for use in channels. June 6, 1974.

Class 4. No. 141925. Manohar Industries, Nanded (Maharashtra), An Indian Partnership concern. Concrete Slab for use in channels. June 6, 1974.

Class 4. No. 142083. Devans Modern Breweries Ltd. Bohri P. O. Talab Tillo, Jammu-1,80,002 State of Jammu & Kashmir. An Indian Company incorporated under the Companies Act, 1956. Bottle, July 23, 1974.

Class 13. No. 142207. The Ahmedabad Kaiser-I-Hind Mills Co. Ltd. An Raipurgate, Ahmedabad-22 (Gujarat State) India. An Indian Company incorporated under the Indian Companies Act. Textile Piece-goods. September 3, 1974.

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Design Nos. 136157, 136213, 136416 to 136418, 136420, 137131, 137132, 138402, 138403 Class 1.

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